**نمونه مسائل و حل آنها در سی شارپ**

**تهیه کننده:**

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1. برنامه ای بنویسید که اعداد بین دو عدد را نمایش دهد.

class Program

{

static void Main(string[] args)

{

int z = 0;

int a = int.Parse(Console.ReadLine());

int b = int.Parse(Console.ReadLine());

for (int i = a + 1; i < b; i++)

{

int s = i;

Console.WriteLine(s);

} Console.ReadKey();

}

-------------------------------------------------------------------------------------------------------------------------------

1. مقدار دهی به کلاس دانشجو از طریق آرایه دو بعدی

class Program

{

static void Main(string[] args)

{

student b = new student();

b.insert(120, "sd", "2");

}

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

class student

{

string[,] a = new string[4, 3];

//\*\*\*\*\*\*\*\*\*\*\*

public void insert(int s, string f, string l)

{

a[i, 0] = s.ToString();

a[i, 1] = f;

a[i, 2] = l;

Console.WriteLine(a[2,2]);

Console.ReadKey();

}

--------------------------------------------------------------------------------------------------------------------------- 3)کمینه و بیشینه در یک آرایه را مشخص کند.

class Program

{

static void Main(string[] args)

{

Program x = new Program();

int[] a = new int[5]{1,5,6,7,9};

Console.WriteLine(x.b(a));

Console.ReadKey();

}//\*\*\*\*\*\*\*\*\*\*\*\*\*

int b(int[] a)

{

int k = a[0];

for (int i = 1; i <= 4; i++)

{

if (k > a[i])

k = a[i];

} return k;

}

4)نمایش اعداد زوج و اعداد فرد کوچکتر از 50

class Program

{

static void Main(string[] args)

{

int[] a = new int[52];

Console.WriteLine("adad zog");

for (int i = 0; i <= 50; i += 2)

{

a[i] = i;

Console.WriteLine(a[i]);

}

Console.WriteLine("adad fard");

for (int i = 1; i <= 50; i += 2)

{

a[i] = i;

Console.WriteLine(a[i]);

}

Console.ReadKey();

}

0(افزایش 3 واحد 3واحد 05 عدد.

class Program

{

static void Main(string[] args)

{

int[] a = new int[50];

int v = 3;

for (int i = 0; i < 50; i++)

{

a[i] = v;

v=v+5;

Console.WriteLine(a[i]);

} Console.ReadKey();

}

6)تشخیض مثلث متساوی الضلاع ومتساوی الساقین.

class Program

{

static void Main(string[] args)

{

Class1 f = new Class1();

Console.WriteLine("zel aval ra vard kon:");

int a = int.Parse(Console.ReadLine());

Console.WriteLine("zel dom ra vard kon:");

int b = int.Parse(Console.ReadLine());

Console.WriteLine("zel svom ra vard kon:");

int c = int.Parse(Console.ReadLine());

f.t(a, b, c);

Console.ReadLine();

}

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*//

class Class1

{

public void t(int z1, int z2, int z3)

{if((z1==z2)&&(z2==z3))

Console.WriteLine("motsaviol azla");

else{

if((z1==z2)||(z1==z3)||(z2==z3))

Console.WriteLine("motasaviol sakhin");

else

Console.WriteLine("not mosalas azla v alsakhin");

}

7) جستجو یک عدد در یک آرایه.

class Program

{

static void Main(string[] args)

{

Console.WriteLine("enter a:");

int a = int.Parse(Console.ReadLine());

int b[] = new int[7];

Console.WriteLine("enter 7 numbr to araye:");

for (int i = 0; i <= 6; i++)

{

b[i] = int.Parse(Console.ReadLine());

}

for (int j = 0; j <= 6; j++)

{

if (b[j] == a)

Console.WriteLine("yes");

else

Console.WriteLine("no");

} Console.ReadKey();

}

8)جستجو یک دانشجو در آرایه بر حسب شماره دانشجویی.

class Program

{

static void Main(string[] args)

{

student b = new student();

int i = 0;

while (i <= 2)

{

Console.WriteLine("inter sn :");

int sn = int.Parse(Console.ReadLine());

Console.WriteLine("inter fname :");

string fname = Console.ReadLine();

Console.WriteLine("inter lname :");

string lname = Console.ReadLine();

b.insert(sn, fname, lname);

Console.Clear();

i++;

}

Console.Clear();

Console.WriteLine("inter sn search :");

string s = Console.ReadLine();

Console.WriteLine(b.search(s));

Console.ReadKey();

}

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*//

class student

public string[,] a = new string[4, 3];

public int i = 0;

public int j;

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

public void insert(int s, string f, string l)

{

a[i, 0] = s.ToString();

a[i, 1] = f;

a[i, 2] = l;

i++;

}

public string search(string s)

{

for (int i = 0; i <= 3; i++)

{

if (a[i, 0] == s)

{

j = i;

}

}

return (a[j, 0] + " " + a[j, 1] + " " + a[j, 2]);

}

9) جمع وضرب دو عدد.

class Program

{

static void Main(string[] args)

{Program o = new Program();

sum k = new sum();

int a = int.Parse(Console.ReadLine());

int b = int.Parse(Console.ReadLine());

Console.WriteLine("a+b:" + k.ss(a,b));

Console.WriteLine("a\*b:" + o.mull(a, b));

Console.ReadKey();

}//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

int mull(int w, int e)

{

int u = 0;

u = w \* e;

return u;

}

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*//

class sum

{

public int s = 0;

public int ss(int x, int y)

{

s = x + y;

return s;

10) برنامه ای بنویسید که سن فرد را دریافت کند و پیر وجوان بودن آن را مشخص کند.

class Program

{

static void Main(string[] args)

{

int a = int.Parse(Console.ReadLine());

if (a >= 15 && a <= 35)

{

Console.WriteLine("gvan");

}

else

{

if (a > 35 && a <= 60)

{

Console.WriteLine("miansal");

}

else

{

Console.WriteLine("pir");

}

Console.ReadKey();

}

11**) برنامه ای بنوسید که 0 دانشجو و 4درس را وارد کرده ومعدل هر دانشجو و معدل کل را حساب کند ونمایش دهد.**

class Program

{

static void Main(string[] args)

{

string name, family;

int i = 1;

float f1, f2, f3, f4, f5, avg;

float r1 = 0, r2 = 0, r3 = 0, r4 = 0, r5 = 0;

stu stu1 = new stu();

while (i <= 5)

{

Console.WriteLine("enter a name:");

name = Console.ReadLine();

Console.WriteLine("enter family:");

family = Console.ReadLine();

Console.WriteLine("enter mark of" + "'riaze'" + " book");

f1 = float.Parse(Console.ReadLine());

Console.WriteLine("enter mark of" + "'shime'" + " book");

f2 = float.Parse(Console.ReadLine());

Console.WriteLine("enter mark of" + "'arabi'" + " book");

f3 = float.Parse(Console.ReadLine());

Console.WriteLine("enter mark of" + "'englise'" + " book");

f4 = float.Parse(Console.ReadLine());

Console.WriteLine("enter mark of" + "'varzesh'" + " book");

f5 = float.Parse(Console.ReadLine());

avg = (f1 + f2 + f3 + f4 + f5) / 5;

r1 = r1 + f1;

r2 = r2 + f2;

r3 = r3 + f3;

r4 = r4 + f4;

r5 = r5 + f5;

stu1.write(name, family, f1, f2, f3, f4, f5, avg);

i++;

Console.Clear();

}

stu1.write("0", "0", r1/5, r2/5, r3/5, r4/5, r5/5, 0);

Console.ForegroundColor = ConsoleColor.Red;

Console.WriteLine("name" + " family" + " riaze" + " shime" + " arabi" + " englisi" + " varzesh" + " moadel");

Console.ForegroundColor = ConsoleColor.White;

Console.WriteLine("-----------------------------------------------------------------------------");

for (int j = 0; j <= 4; j++)

{

for (int k = 0; k <=7 ; k++)

{

Console.Write(stu1.arr[j, k] + " ");

}

Console.WriteLine("");

}

Console.WriteLine("-----------------------------------------------------------------------------");

Console.Write(" ");

Console.ForegroundColor = ConsoleColor.Yellow;

for(int m=2;m<=6;m++)

{

Console.Write(stu1.arr[5, m] + " ");

}

Console.ReadKey();

}

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*//

public class stu

{

public string[,] arr = new string[6, 9];

public string c, b = "";

public int i = 0;

public string write(string s1, string s2,float n1,float n2,float n3,float n4,float n5,float avg)

{

arr[i, 0] = s1;

arr[i, 1] = s2;

arr[i, 2] = n1.ToString();

arr[i, 3] = n2.ToString();

arr[i, 4] = n3.ToString();

arr[i, 5] = n4.ToString();

arr[i, 6] = n5.ToString();

arr[i, 7] = avg.ToString();

i++;

return c;

}

12) تعداد تکرار دو حلقهfor تو درتو.

class Program

{

static void Main(string[] args)

{

int n;

Console.WriteLine("enter a number:");

n=Convert.ToInt32(Console.ReadLine());

for(int i=0;i<n-1;i++)

{

for(int j=0;j<i;j++)

{

Console.WriteLine("test");

}

}

Console.ReadLine();

}

13) تعداد تکرار یک عدد در یک آرایه.

class Program

{

static void Main(string[] args)

{

l1:

Console.WriteLine(" !!repate count number program!!");

Console.WriteLine();

int i, count;

count = 0;

string m,s;

int[] x = new int[5];

Console.WriteLine("enter five number:");

for (int a = 0; a <= 4; a++)

{

string k1 = Console.ReadLine();

x[a] = Convert.ToInt32(k1);

}

Console.WriteLine("enter a phrase for find count of repate: ");

m = Console.ReadLine();

for (i = 0; i <= 4; i++)

{

if (x[i] ==Convert.ToInt32( m))

{

count++;

}

}

Console.WriteLine();

Console.WriteLine("count of repating is: " + count);

Console.WriteLine();

Console.Write("Are You Want To Continue : (Y/N)");

s = Console.ReadLine();

if (s == "y" || s == "Y")

{

Console.Clear();

goto l1;

}

14) مجموع خانه های یک آرایه.

class Program

{

static void Main(string[] args)

{

Class1 f = new Class1();

int[] x = new int[6]{6,1,5,63,4,8};

int g= f.sum(x,6);

Console.WriteLine( g.ToString());

Console.ReadKey();

}

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*//

class Class1

{

int h = 0;

public int sum(int[] s, int b)

{

for (int i = 0; i < b; i++)

{

h = h + s[i];

}

return h;

}

15) برنامه محاسبه فاکتوریل یک عدد.

class Program

{

static void Main(string[] args)

{

factor f = new factor();

Console.WriteLine("inter a number for factorial computation:");

int sn = int.Parse(Console.ReadLine());

f.fact(sn);

Console.Clear();

Console.WriteLine("result is:");

Console.WriteLine(f.result);

Console.ReadKey();

}

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*//

class factor

{

public int i,result=1;

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

public void fact(int s)

{

for ( i = 1; i <= s; i++)

{

result = result \* i;

}

16) برنامه ای بنوسید که اعداد 11 و 11 و 33 و... ا نمایش دهد.)اعدادی با یگان و دهگان برابر(

class Program

{

static void Main(string[] args)

{

Class1 c = new Class1();

int sn =99;

c.twin(sn);

Console.Clear();

Console.WriteLine("result is:");

Console.WriteLine(c.result);

Console.ReadKey();

}

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*//

class Class1

{

public int i,a,b;

public string result = "";

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

public void twin(int s)

{

for (i = 10; i <= s; i++)

{

a = i / 10;

b = i % 10;

if (a == b)

{

result = result+" " + i;

}

}

17) معکوس یک عدد.

class

Program

{

static void Main(string[] args)

{

Console.WriteLine();

revers r = new revers();

Console.WriteLine("enter a string of number:");

string str = Console.ReadLine();

int k = Convert.ToInt32(str);

int count = Convert.ToInt32(str.Length.ToString());

r.reverfact(k, count);

Console.Clear();

Console.WriteLine("you entred:" + str);

Console.WriteLine();

Console.WriteLine("and result is:"+r.strout);

Console.WriteLine();

Console.WriteLine("enter a key for exit:");

Console.ReadKey();

}

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*//

class revers

{

public int i = 1, m;

public string strout = "";

public void reverfact(int a,int b)

{

while (i <= b)

{

m = a % 10;

strout = strout + " " + m;

a = a / 10;

i++;

}

18) تابع سازنده با مقدار ورودی.

class Program

{

static void Main(string[] args)

{

student a = new student();

Console.WriteLine(a.sn+" "+a.fname+" "+a.lname);

student b = new student(456);

Console.WriteLine(b.sn + " " + b.fname + " " + b.lname);

Console.ReadKey();

}

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*//

class student

{

public int sn;

public string fname;

public string lname;

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

public student()

{

sn = 123;

fname = "abc";

lname = "def";

}

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

public student(int s)

{

sn = s;

}

19) دستور جستجو و درج در یک آرایه از نوع دانشجویان.

class Program

{

static void Main(string[] args)

{

student b = new student();

int i = 0;

while (i <= 2)

{

Console.WriteLine("inter sn :");

int sn = int.Parse(Console.ReadLine());

Console.WriteLine("inter fname :");

string fname = Console.ReadLine();

Console.WriteLine("inter lname :");

string lname = Console.ReadLine();

b.insert(sn, fname, lname);

Console.Clear();

i++;

}

Console.Clear();

Console.WriteLine("inter sn search :");

string s = Console.ReadLine();

Console.WriteLine(b.search(s));

Console.ReadKey();

}

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*//

class student

{

public string[,] a = new string[4, 3];

public int i = 0;

public int j;

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

public void insert(int s, string f, string l)

{

a[i, 0] = s.ToString();

a[i, 1] = f;

a[i, 2] = l;

i++;

}

public string search(string s)

{

for (int i = 0; i <= 3; i++)

{

if (a[i, 0] == s)

{

j = i;

}

}

return (a[j, 0] + " " + a[j, 1] + " " + a[j, 2]);

}

20) مجموع خانه های آرایه در برنامه اصلی.

class Program

{

static void Main(string[] args)

{int sum=0;

int[] x = new int[6] { 5, 6, 7, 8, 9, 4 };

for (int i = 0; i <= 5; i++)

{

sum = sum + x[i];

} Console.WriteLine("sum:" + sum);

Console.ReadKey();

}

21) مربع اعداد یک تا 15

class Program

{

static void Main(string[] args)

{

Program a = new Program();

for (int i = 1; i <= 10; i++)

{

a.m(i);

} Console.ReadKey();

}//\*\*\*\*\*\*\*\*\*\*\*\*\*\*

void m(int i)

{

int z = 0;

z = i \* i;

Console.WriteLine(z);

}

22) نمایش عدد اول کوچکتر از عدد ورودی.

class Program

{

static void Main(string[] args)

{

int h, v;

Console.WriteLine();

Console.WriteLine("enter a number:");

Console.WriteLine();

int a = Convert.ToInt32(Console.ReadLine());

v = a - 1;

aval av = new aval();

av.proc(a);

av.check(v);

h = av.k;

if (h == 2)

{

Console.ForegroundColor = ConsoleColor.Yellow;

Console.WriteLine(" ! aval");

Console.WriteLine();

Console.ForegroundColor = ConsoleColor.White;

Console.WriteLine("prees enter for find initial prime number");

Console.ReadKey();

}

else

{

Console.ForegroundColor = ConsoleColor.Red;

Console.WriteLine();

Console.WriteLine(" ! not aval");

Console.WriteLine();

Console.ForegroundColor = ConsoleColor.White;

Console.WriteLine("prees enter for find initial prime number");

Console.ReadKey();

}

Console.ForegroundColor = ConsoleColor.White;

Console.WriteLine();

Console.WriteLine("initial prime number before it is:");

Console.ForegroundColor = ConsoleColor.Yellow;

Console.WriteLine();

Console.WriteLine(av.n);

Console.ReadKey();

}

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*//

class aval

{

public int i, j, k = 0, n, key = 0, count = 0;

public void proc(int s)

{

for (i = 1; i <= s; i++)

{

if (s % i == 0)

{

k++;

}

}

}

public void check(int m)

{

while(key==0)

{

for (j = 1; j <= m; j++)

{

if (m % j == 0)

{

count++;

}

}

if (count == 2)

{

n=m;

key = 1;

}

else

{

count = 0;

m--;

key = 0;

}

23) توان یک عدد.

class Program

{

static void Main(string[] args)

{

Class1 s = new Class1();

Console.WriteLine("enter two nuber:");

int a = int.Parse(Console.ReadLine());

int b = int.Parse(Console.ReadLine());

s.f(a, b);

Console.Clear();

Console.WriteLine("result is:");

Console.WriteLine(s.result);

Console.ReadKey();

}

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*//

class Class1

{

public int i,result=1;

//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

public void f(int g, int j)

{if(g==0)

{result=0;}

else if(j==0)

{result=1;}

else

for (i = 1; i <=j; i++)

{

result = result\*g;

}

24) مقدار دهی به خانه های آرایه دوبعدی.

class Program

{

static void Main(string[] args)

{

int i,j;

int [,] a=new int[3,3];

Console.WriteLine("enter 6 number:");

for (i = 0; i <= 2; i++)

for (j = 0; j <= 2; j++)

{

a[i, j] = Convert.ToInt32(Console.ReadLine());

}

for (i = 0; i <= 2; i++)

for (j = 0; j <= 2; j++)

{

Console.Write(a[i, j] + " ");

if (j == 2)

{

Console.WriteLine();

}

}

Console.ReadKey();

}

25) مقایسه بین دو آرایه و نمایش اندیس های بزرگتر در آرایه سوم.

class Program

{

static void Main(string[] args)

{int[] b = new int[5];

int[] a = new int[5];

int[] c = new int[5];

for (int i = 0; i <= 4; i++)

{

a[i] = int.Parse(Console.ReadLine());

b[i] = int.Parse(Console.ReadLine());

if (a[i] > b[i])

c[i] = a[i];

else

c[i] = b[i];

Console.WriteLine(c[i]);

}

Console.ReadKey();

{

26) نمایش اعداد 1 تا 50

class Program

{

static void Main(string[] args)

{

int[] a = new int[50];

for (int i = 1; i < 50; i++)

{

a[i] = i;

Console.WriteLine(a[i]);

} Console.ReadKey();

{

27) نمایش اعداد از 50 تا 1

class Program

{

static void Main(string[] args)

{

int[] a = new int[50];

int v = 50;

for (int i = 0; i < 50; i++)

{

a[i] = v;

v--;

Console.WriteLine(a[i]);

} Console.ReadKey();

}

28) نمایش اعداد به توان 2

class Program

{

static void Main(string[] args)

{

int[] a = new int[50];

int k =1 ;

for (int i = 0; i < 50; i++)

{

a[i] = k;

k=k\*2;

Console.WriteLine(k.ToString());

} Console.ReadKey();

}

. 29) نمایش اعداد مضرب 1 از 155 به 1

class Program

{

static void Main(string[] args)

{

int[] a = new int[50];

int v = 100;

for (int i = 0; i < 50; i++)

{

a[i] = v;

v-=2;

Console.WriteLine(a[i]);

} Console.ReadKey();

}

30) نمایش روزه های هفته.

class Program

{

static void Main(string[] args)

{

int n = int.Parse(Console.ReadLine());

switch (n)

{

case 0:

Console.Write("shanbh");

break;

case 1:

Console.Write("ykshanbeh");

break;

case 2:

Console.Write("doshanbh");

break;

case 3:

Console.Write("shshanbh");

break;

case 4:

Console.Write("charshanbh");

break;

case 5:

Console.Write("pangshanbh");

break;

case 6:

Console.Write("gomh");

break;

} Console.ReadKey();

}

31) نمایش یک خانه از آرایه.

class Program

{

static void Main(string[] args)

{

int[] x = new int[4] { 4, 6, 3, 7 };

Program a = new Program();

a.s(x);

Console.ReadLine();

}//\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

int s(int[] x)

{ Console.WriteLine(x[0]);

return x[2]; }

}

32) مثال زیگما.

class Program

{

static void Main(string[] args)

{

Class1 a = new Class1();

a.sum(4);

Console.WriteLine("enter a number:");

int b = int.Parse(Console.ReadLine());

a.sum(b);

Console.ReadKey();

}

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*//

class Class1

{

public void sum(int n)

{int sum=0;

int i=1;

while(i<=n)

{

sum = sum + (i \* i);

i++;

}Console.WriteLine(sum.ToString());

}

33) تعریف دانشجو به صورت خصوصی و مقدار دهی به آن.

class Program

{

static void Main(string[] args)

{

student a = new student();

Console.WriteLine(a.Firstname + "" + a.Lastname + "" + a.Studentnumber.ToString());

student b = new student();

Console.WriteLine(b.Firstname + "" + b.Lastname + "" + b.Studentnumber.ToString());

student c = new student("ali","zarei",112);

Console.WriteLine(c.Firstname + "" + c.Lastname + "" + c.Studentnumber.ToString());

Console.ReadKey();

}

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*////////

class student

{

private string firstname;

public string Firstname

{

get

{

return firstname;

}

set

{

firstname = value;

}

}private string lastname;

public string Lastname

{

get

{

return lastname;

}

set

{

lastname = value;

}

}private long studentnumber;

public long Studentnumber

{

get { return studentnumber; }

set

{

studentnumber = value;

}

}

public string Getlastname()

{

return lastname;

}

public student()

{

firstname = "-";

lastname = "-";

studentnumber = -1;

}

public student(string lastname)

{

this.lastname = lastname;

}

public student(string firstname, string lastname, long studentnumber)

{

this.firstname = firstname;

this.lastname = lastname;

this.studentnumber = studentnumber;

}

34) مرتب سازی ادقام آرایه ها.

class Program

{

static void Main(string[] args)

{

int[] a = new int[4];

int[] b = new int[4];

int[] c = new int[8];

Console.WriteLine("enter a number:");

for (int i = 0; i <= 3; i++)

{

a[i] = int.Parse(Console.ReadLine());

} Console.WriteLine("enter b number:");

for (int l = 0;l <= 3; l++)

{

b[l] = int.Parse(Console.ReadLine());

}

int p = 0;

int j = 0;

for(int k=0;j<=3 && p<=3;k++)

{if (a[p]<b[j])

{ c[k]=a[p];

p=p+1;}

else

{c[k]=b[j];

j=j+1;}

if (j == 4)

{

while (p <= 3)

{

c[k] = a[p];

k++;

p++;

}

}

else

{

while (j <= 3)

{

c[k] = b[j];

j++;

k++;

}

}

} for (int u = 0; u <= 7; u++)

{

Console.WriteLine(c[u]);

}

Console.ReadKey();

}

}

35) مقدار دهی به کلاس کارمند.

class Program

{

static void Main(string[] args)

{

karmand a = new karmand();

a.sn = 10;

a.fname = "shaban";

a.lname = "hatamypor";

Console.WriteLine(a.sn);

Console.WriteLine(a.fname);

Console.WriteLine(a.lname);

Console.ReadKey();

}

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*////////

class karmand

{

public int sn;

public string fname;

public string lname;

}

36) برنامه جایگشت.

class Program

{

static void Main(string[] args)

{

Class1 a = new Class1();

a.p(8, 2);

Console.ReadLine();

}

\*\*\*\*\*\*\*\*\*\*\*\*\*\*//

class Class1

{

public void p(int n, int k)

{

int a;

a = f(n) / f(n - k);

Console.WriteLine(a.ToString());

}

//\*\*\*\*

public int f(int x)

{int f=1;

for(int i=1;i<=x;i++)

{ f = f \* i; }

return f;

}

پایان