//Task5\_1.cs

namespace Year

{

class Program

{

static void Main(string[] args)

{

int[] intArr = new int[] {6,5,4,3,2,1};

Console.WriteLine(intArr[0] = 6);

Console.WriteLine(intArr[1] = 5);

Console.WriteLine(intArr[2] = 4);

Console.WriteLine(intArr[3] = 3);

Console.WriteLine(intArr[4] = 2);

Console.WriteLine(intArr[5] = 1);

}

}

}

//Task5\_2.cs

namespace Year

{

class Program

{

static void Main(string[] args)

{

int[] intArr = new int[] {6,5,4,3,2,1};

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

{

Console.WriteLine(intArr[i] + " ");

}

Console.WriteLine()

}

}

}

//Task5\_3.cs

namespace Year

{

class Program

{

static void Main(string[] args)

{

int[] intArr = new int[] {6,5,4,3,2,1};

Console.Write(intArr[0] = 6);

Console.Write(",");

Console.Write(intArr[1] = 5);

Console.Write(",");

Console.Write(intArr[2] = 4);

Console.Write(",");

Console.Write(intArr[3] = 3);

Console.Write(",");

Console.Write(intArr[4] = 2);

Console.Write(",");

Console.Write(intArr[5] = 1);

Console.Write(",");

Console.WriteLine();

}

}

}

//Task5\_4.cs

namespace Year

{

class Program

{

static void Main(string[] args)

{

int[] number = new int[7];

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

{

Console.Write("Give {0} number :", i + 1);

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

}

foreach (int i in number)

Console.WriteLine(" {0:f2}", i);

{

int sum1 = number.Sum();

Console.WriteLine("Sum : {0:f2}",sum1);

}

}

}

}

//Task5\_5.cs

namespace Year

{

class Program

{

static void Main(string[] args)

{

int[] number = new int[7];

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

{

Console.Write("Give {0} number :", i + 1);

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

}

foreach (int i in number)

Console.WriteLine(" {0:f2}", i);

{

int sum1 = number.Sum();

Console.WriteLine("Sum : {0:f2}",sum1);

}

}

}

}

//Task5\_6.cs

namespace Year

{

class Program

{

static void Main(string[] args)

{

int[] array = new int[501];

for (int i = 1; i <= 500; i++)

array[i] = i;

Console.WriteLine("min = {0}", array.Min());

Console.WriteLine("max = {0}", array.Max());

Console.WriteLine("sum = {0}", array.Sum());

Console.WriteLine("avg = {0:F2}", array.Average());

}

}

}

//Task5\_7.cs

namespace Year

{

class Program

{

static void Main(string[] args)

{

int[] makan = new int[10];

Random r = new Random();

int i;

for (i = 0; i <10 ; i++)

{

makan[i] = r.Next(100);

Console.WriteLine("{0}", makan[i]);

} }

}

}

//Task5\_8.cs

namespace Year

{

class Program

{

static void Main(string[] args)

{

Console.Write("How many grades : ");

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

double[] makan = new double[j];

Random r = new Random();

for (int i = 0; i <makan.Length ; i++)

{

makan[i] = r.Next(4,11);

}

double avg = makan.Average();

Console.WriteLine("Average :" + avg);

}

}

}

//Task5\_9.cs

namespace Year

{

class Program

{

static void Main(string[] args)

{

string[] stringArr = new string[3] { "Give the name : ", "Address : ", "Post code and post office" };

Console.Write(stringArr[0]);

String a = Console.ReadLine();

Console.Write(stringArr[1]);

String b = Console.ReadLine();

Console.Write(stringArr[2]);

String c = Console.ReadLine();

Console.WriteLine(a);

Console.WriteLine(b);

Console.WriteLine(c);

}

}

}

//Task5\_10a.cs

namespace Year

{

class Program

{

static void Main(string[] args)

{

Console.Write("num 1 : ");

int num1 = int.Parse(Console.ReadLine());

int num = num1 \* 2;

Console.WriteLine("num 2 : "+ num);

}

}

}

//Task5\_10b.cs

namespace Year

{

class Program

{

static void Main(string[] args)

{

Console.Write("num 1 : ");

int num1 = int.Parse(Console.ReadLine());

int num = num1 / 2;

Console.WriteLine("num 2 : "+ num);

}

}

}

//Task5\_11.cs

namespace Year

{

class Program

{

static void Main(string[] args)

{

int[] number = new int[8];

for (int i = 0; i < 8; i++)

{

Console.Write("Give {0} number :", i + 1);

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

}

foreach (int i in number.Reverse())

Console.WriteLine(" {0}", i);

}

}

}

//Task5\_12.cs

namespace Year

{

class Program

{

static void Main(string[] args)

{

Random rnd1 = new Random();

Random rnd2 = new Random();

int[,] makan = new int[10, 2];

for (int i = 0; i < 10; i++)

{

for (int r = 0; r < 2; r++)

Console.Write(makan[i, 0] = rnd1.Next(2, 7));

Console.Write(" ");

Console.WriteLine(makan[i, 1] = rnd2.Next(15, 20));

}

}

}

}

//Task5\_13.cs

namespace Year

{

class Program

{

static void Main(string[] args)

{

Random rnd1 = new Random();

int ran1 = rnd1.Next(12,20);

Random rnd2 = new Random();

int ran2 = rnd2.Next(46, 52);

Random rnd4 = new Random();

Random rnd3 = new Random();

int ran3 = rnd3.Next(46, 52);

int[] makan = new int[ran3];

for (int i = 0; i < makan.Length; i++)

{

makan[i] = rnd4.Next(ran1, ran2);

Console.WriteLine("{0}", makan[i]);

}

Console.WriteLine("min = {0}", makan.Min());

Console.WriteLine("max = {0}", makan.Max());

Console.WriteLine("avg = {0:F2}", makan.Average());

}

}

}

//Task5\_14.cs

namespace Year

{

class Program

{

static void Main(string[] args)

{

Random ran = new Random();

double[] array = new double[20];

for (int i= 0; i < array.Length; i++)

{

array[i]= ran.NextDouble() \* (9.7- 4.2) + 4.2;

}

Array.Sort(array);

foreach (double d in array)

{

Console.WriteLine("{0:f1}",d);

}

}

}

}

//Task5\_15.cs

namespace Year

{

class Program

{

static void Main(string[] args)

{

Random ran = new Random();

double[] array = new double[20];

double min = 4.2;

double max = 9.7;

for (int i= 0; i < array.Length; i++)

{

array[i]= ran.NextDouble() \* (max- min) + min;

}

Array.Sort(array);

foreach (double d in array)

{

Console.WriteLine("{0:f1}",d);

}

}

}

}

//Task5\_16.cs

namespace Year

{

class Program

{

static void Main(string[] args)

{

char[] chara = new char[300];

for (int i = 65; i <= 90; i++)

{

char a = (char)i;

Console.WriteLine(a);

}

for (int i = 97; i <= 123; i++)

{

char a = (char)i;

Console.WriteLine(a);

}

}

}

}

//Task5\_17.cs

namespace Year

{

class Program

{

static void Main(string[] args)

{

int[] makan = new int[7];

int[] array = new int[2];

Random rnd = new Random();

for (int i = 0; i < makan.Length;i ++)

{

Console.Write (makan[i] = rnd.Next(1, 50));

Console.Write(" ");

}

Console.Write("+ ");

for (int i = 0; i < array.Length; i++)

{

Console.Write(array[i] = rnd.Next(1, 50));

Console.Write(" ");

}

}

}

}

//Task5\_18.cs

namespace Year

{

class Program

{

static void Main(string[] args)

{

int[,] makan = new int[4, 3];

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

{

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

Console.Write("Give Number {0},{1} : ",j,i);

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

}

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

{

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

{

Console.Write("{0}\t",makan[j,i]);

}

Console.WriteLine();

}

}

}

}

//Task5\_19.cs

namespace Year

{

class Program

{

static void Main(string[] args)

{

Console.Write("Which number's multiplication table do you want : ");

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

int[,] makan = new int[10, 3];

for (int j = 1; j < 11; j++)

{

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

{

Console.Write("{0}", num);

Console.Write(" \* ");

Console.Write("{0}",j);

int sum = num \* j;

Console.Write(" = ");

Console.Write("{0}",sum);

Console.WriteLine();

break;

}

}

}

}

}