using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ex1

{

class Program

{

static void Main(string[] args)

{

decimal[] m\_array = new decimal[10] { 1M, 2M, 3M, 4M, 5M, 6M, 7M, 8M, 9M, 10M };

decimal m\_min, m\_max, m\_ave, m\_total = 0, m\_sum = 0;

int i\_num = 0;

m\_min = m\_array[9];

m\_max = m\_array[9];

Console.Write("last :");

for (int i = 9; i >= 0; i--)

{

Console.Write(m\_array[i]+",");

if (m\_array[i] < m\_min)

{

m\_min = m\_array[i];

}

if (m\_array[i] > m\_max)

{

m\_max = m\_array[i];

}

m\_total += m\_array[i];

}

Console.WriteLine("first");

Console.WriteLine("Min is {0}", m\_min);

Console.WriteLine("Max is {0}", m\_max);

m\_ave = m\_total / 10;

for (int i = 0; i <= 9; i++)

{

if (m\_array[i] > m\_ave)

{

i\_num += 1;

m\_sum += m\_array[i];

}

}

Console.Write("The number bigger than Average is {0}",i\_num);

Console.WriteLine();

Console.WriteLine("Total(>average) is {0}", m\_sum);

}

}

}

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ex2

{

class Program

{

static void Main(string[] args)

{

decimal[,] m\_array = new decimal[2, 3] { { 1, 2, 3 }, { 4, 5, 6 } };

decimal[,] m\_array\_t = new decimal[3, 2];

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

{

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

{

m\_array\_t[j, i] = m\_array[i, j];

}

}

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

{

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

{

Console.Write("{0} ",m\_array\_t[i, j]);

}

Console.WriteLine();

}

}

}

}

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ex3

{

class Program

{

static void Main(string[] args)

{

decimal[,] m\_array = new decimal[4, 4] { { 45M, 53M, 68M, 76M }, { 37M, 98M, 86M, 55M }, { 87M, 76M, 54M, 32M }, { 59M, 47M, 82M, 91M } };

decimal[] m\_rowsum = new decimal[4];

decimal[] m\_colsum = new decimal[4];

decimal m\_sum = 0;

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

{

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

{

m\_rowsum[i] += m\_array[i, j];

m\_colsum[j] += m\_array[i, j];

m\_sum += m\_array[i, j];

}

}

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

{

Console.WriteLine("The sum of row {0} is {1}", i + 1, m\_rowsum[i]);

}

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

{

Console.WriteLine("The sum of col {0} is {1}", i + 1, m\_colsum[i]);

}

Console.WriteLine("The average of all numbers is {0}", m\_sum / 16);

}

}

}