using System;

namespace ConsoleApp1

{

class Method\_overloading

{

public int result(int a, int b)

{

int x;

return x = a / b;

}

public float result(float a, float b)

{

float u;

return u = a - b;

}

public int result(int a, int b, int c)

{

int y;

return y = a \* b \* c;

}

public float result(float a, float b, float c)

{

float v;

return v = a + b + c;

}

}

class mtdold

{

public static void Main(String[] args)

{

char c;

float a, b, d;

int p, q, r;

Method\_overloading mthover = new Method\_overloading();

menu:

Console.Clear();

Console.WriteLine("Menu");

Console.WriteLine("1.Addition");

Console.WriteLine("2.Subtraction");

Console.WriteLine("3.Multiplication");

Console.WriteLine("4.Division");

Console.WriteLine("Enter Your Option");

c = Convert.ToChar(Console.ReadLine());

switch (c)

{

case '1':

Console.WriteLine("Enter 3 double type values");

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

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

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

Console.WriteLine("Sum = " + mthover.result(a, b, d));

break;

case '2':

Console.WriteLine("Enter 2 double type values");

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

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

Console.WriteLine("Difference = " + mthover.result(a, b));

break;

case '3':

Console.WriteLine("Enter 3 integer values");

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

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

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

Console.WriteLine("Product = " + mthover.result(p, q, r));

break;

case '4':

Console.WriteLine("Enter 2 integer values");

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

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

Console.WriteLine("Quotient = " + mthover.result(p, q));

break;

}

Console.ReadLine();

Console.WriteLine("Enter m for Menu or Any other key to Exit");

c = Convert.ToChar(Console.ReadLine());

if (c == 'm')

{

goto menu;

}

}

}

}