using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace PracticeQ1\_PartII

{

public enum BookType

{

Magazine,

Novel,

ReferenceBook,

Miscellaneous

}

struct Book

{

public int BookId;

public string Title;

public double Price;

public string Booktype;

}

internal class Program

{

static void Main(string[] args)

{

Book book;

Console.WriteLine("Enter the BookId");

book.BookId = Convert.ToInt32(Console.ReadLine());

Console.WriteLine("Enter the Title of the book");

book.Title = Console.ReadLine();

Console.WriteLine("Enter the Price");

book.Price = Convert.ToDouble(Console.ReadLine());

Console.WriteLine("Enter the Book Type from the following mentioned below : ");

foreach(var name in Enum.GetNames(typeof(BookType)))

{

Console.Write(name+" , ");

}

Console.WriteLine();

book.Booktype = Console.ReadLine();

Console.WriteLine("Book Id : {0}", book.BookId);

Console.WriteLine("Book Title : {0}", book.Title);

Console.WriteLine("Book Price : {0}", book.Price);

Console.WriteLine("Book Type : {0}", book.Booktype);

}

}

}

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace PracticeQ1

{

internal class Program

{

static void Main(string[] args)

{

//Circle();

//Swapping();

//Sum();

//Topper();

//Console.WriteLine("Enter two numbers");

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

//int b = Convert.ToInt32(Console.ReadLine());

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

//Calculator calculator = new Calculator();

//calculator.Add(a, b);

//calculator.Substract(a, b);

//calculator.Multiply(a, b);

//calculator.Divide(a, b);

}

public static void Circle()

{

Console.WriteLine("Enter the radius");

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

Console.WriteLine("Area of Circle : {0}", Math.PI \* rad \* rad);

Console.WriteLine("Circumference of Circle : {0}", 2\*Math.PI \* rad);

}

public static void Swapping()

{

Console.WriteLine("Enter 2 integers");

int a1 = Convert.ToInt32(Console.ReadLine());

int a2 = Convert.ToInt32(Console.ReadLine());

int c = a1;

a1 = a2;

a2 = c;

Console.WriteLine("After swapping the integers are : {0} , {1}", a1, a2);

}

public static void Sum()

{

Console.WriteLine("Enter number of integers");

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

int s = 0;

int[] param = new int[n];

Console.WriteLine("Enter {0} integers", n);

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

{

param[i]=Convert.ToInt32(Console.ReadLine());

}

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

{

s = s + param[i];

}

Console.WriteLine("Sum of all integers : {0}", s);

}

public static void Topper()

{

Console.WriteLine("Enter average marks of 5 students");

int a1 = Convert.ToInt32(Console.ReadLine());

int a2 = Convert.ToInt32(Console.ReadLine());

int a3 = Convert.ToInt32(Console.ReadLine());

int a4 = Convert.ToInt32(Console.ReadLine());

int a5 = Convert.ToInt32(Console.ReadLine());

int[] marks = new int[] { a1, a2, a3, a4, a5 };

int max = 0;

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

{

if (marks[i] > max)

max = marks[i];

}

Console.WriteLine("Highest Marks : {0}", max);

}

}

class Calculator

{

public void Add(int a,int b)

{

Console.WriteLine("Addition : {0}", a + b);

}

public void Substract(int a,int b)

{

Console.WriteLine("Substraction : {0}", Math.Abs(a - b));

}

public void Multiply(int a,int b)

{

Console.WriteLine("Multiplication : {0}", a\* b);

}

public void Divide(int a,int b)

{

double div=0;

try

{

div = a / b;

}

catch (Exception e)

{

Console.WriteLine(e.Message);

}

Console.WriteLine("Division : {0}", div);

}

}

}