Intermediate Programing(prg521)

Group activity 1

2020

_____

Logo
Name

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Program Content

Source Code:

Question 1

class TestMethods:

```csharp
namespace AlbertMichaelLudick_5119_GroupActivity1_Project
{
    0 references
    class TestMethods
    {
        0 references
        static void Main(string[] args)
        {
            try
            {
                int number1 = 20;
                int number2 = 22;//two values decalration
                Console.WriteLine("this will display initial values");
                Console.WriteLine("1st value");
                displayIt(number1);//passing to methods
                Console.WriteLine("2nd value");
                displayIt(number2);
                Console.WriteLine("this will display the values times 2");
                Console.WriteLine("1st value");
                displayItTimesTwo(number1);
                Console.WriteLine("2nd value");
                displayItTimesTwo(number2);//passing to methods
                Console.WriteLine("this will display the values plus 100 of itself");
                Console.WriteLine("1st value");
                displayItPlusOneHundred(number1);
                Console.WriteLine("2nd value");
                displayItPlusOneHundred(number2);//passing to methods

                Exit();
            }
```

```
try
{
    int number1 = 20;
    int number2 = 22;//two values decalration
    Console.WriteLine("this will display initial values");
    Console.WriteLine("1st value");
    displayIt(number1);//passing to methods
    Console.WriteLine("2nd value");
    displayIt(number2);
    Console.WriteLine("this will display the values times 2");
    Console.WriteLine("1st value");
    displayItTimesTwo(number1);
    Console.WriteLine("2nd value");
    displayItTimesTwo(number2);//passing to methods
    Console.WriteLine("this will display the values plus 100 of itself");
    Console.WriteLine("1st value");
    displayItPlusOneHundred(number1);
    Console.WriteLine("2nd value");
    displayItPlusOneHundred(number2);//passing to methods

    Exit();
}

catch(Exception ex)
{
    Console.WriteLine("Exception occured" + ex);
}
```

```csharp
    }
    2 references
    static void displayIt(int number)
    {
        Console.WriteLine(number);//just display value
    }
    2 references
    static void displayItTimesTwo(int number)
    {
        Console.WriteLine(number * 2);//display value times 2
    }
    2 references
    static void displayItPlusOneHundred(int number)
    {
        Console.WriteLine(number + 100);//diplays value after adding a 100 to it
    }
    1 reference
    static void Exit()//prompt user to exit console app
    {
        Console.WriteLine("press any key to exit");
        Console.ReadKey();
    }
}
```

Question 2

Class Numbers:

```csharp
namespace Numbers
{
    0 references
    class Numbers
    {
        0 references
        static void Main(string[] args)
        {
            try
            {
```

```csharp
0 references
static void Main(string[] args)
{
    try
    {
        int number1 = 20;
        int number2 = 50;//two values decalration
        Console.WriteLine("this is the result of 20 + 50");
        Console.WriteLine(sum(number1, number2));//passing to method

        Console.WriteLine("this is the result of 50-20");
        Console.WriteLine(difference(number1, number2));

        Exit();
    }
```

```csharp
        Exit();
    }
    catch(Exception ex)
    {
        Console.WriteLine(ex);
    }
}
```

```
}
2 references
static string sum(int number1,int number2)
{
    return Convert.ToString(number1 + number2);//adding the two values together
}
2 references
static string difference(int number2, int number1)
{
    return Convert.ToString(number2 - number1);
    //subtracting the two values together
}
1 reference
static void Exit()//prompt user to exit console app
{
    Console.WriteLine("press any key to exit");
    Console.ReadKey();
}
```

Question 3:

Class Eggs:

```csharp
namespace Eggs
{
    0 references
    class Eggs
    {
        0 references
        static void Main(string[] args)
        {
            int numberOfEggs;
            Console.WriteLine("plz enter the number of eggs in the basket");
            //reading the data from user
            numberOfEggs = Convert.ToInt32(Console.ReadLine());
            EggsMethod(numberOfEggs);//passing to method
            Exit();
        }
        1 reference
        static void EggsMethod(int numberOfEggs)
        {//calculating how many eggs fit in a dozen and the ramainder of the eggs
            Console.WriteLine($"{numberOfEggs} is {numberOfEggs / 12} " +
                $"dozen(with {numberOfEggs % 12} eggs remaining)");
        }
        1 reference
        static void Exit()//prompt user to exit console app
        {
            Console.WriteLine("press any key to exit");
            Console.ReadKey();
        }
    }
}
```

```csharp
static void Main(string[] args)
{
    try
    {
        int numberOfEggs;
        Console.WriteLine("plz enter the number of eggs in the basket");
        //reading the data from user
        numberOfEggs = Convert.ToInt32(Console.ReadLine());
        EggsMethod(numberOfEggs);//passing to method
        Exit();
    }
    catch(Exception ex)
    {
        Console.WriteLine("Exception occured" + ex);
    }
}
1 reference
static void EggsMethod(int numberOfEggs)
{//calculating how many eggs fit in a dozen and the ramainder of the eggs
    Console.WriteLine($"{numberOfEggs} is {numberOfEggs / 12} " +
        $"dozen(with {numberOfEggs % 12} eggs remaining)");
}
1 reference
static void Exit()//pr
{
    Console.WriteLine("press any key to exit");
    Console.ReadKey();
}
```

class System.String
Represents text as a sequence of UTF-16 code units.

```
1 reference
static void EggsMethod(int numberOfEggs)
{//calculating how many eggs fit in a dozen and the ramainder of the eggs
    Console.WriteLine($"{numberOfEggs} is {numberOfEggs / 12} " +
        $"dozen(with {numberOfEggs % 12} eggs remaining)");
}
1 reference
static void Exit()//prompt user to exit console app
{
    Console.WriteLine("press any key to exit");
    Console.ReadKey();
}
```

Output of all questions

Output of Question 1:

```
Microsoft Visual Studio Debug Console
this will display initial values
1st value
20
2nd value
22
this will display the values times 2
1st value
40
2nd value
44
this will display the values plus 100 of itself
1st value
120
2nd value
122
press any key to exit
```

Output of Question 2:

```
Microsoft Visual Studio Debug Console
this is the result of 20 + 50
70
this is the result of 50-20
30
press any key to exit
```

Output of Question 3:

```
Microsoft Visual Studio Debug Console
plz enter the number of eggs in the basket
56
56 is 4 dozen(with 8 eggs remaining)
press any key to exit

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```

Bibliography & References:

Websites:

GeeksforGeek : https://www.geeksforgeeks.org/
C-Sharp corner: https://www.c-sharpcorner.com/

Appendix

No Extra files or media.
Except for the project itself