

Intermediate Programing(prg521)

Group activity 2

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Ctu Training Solutions

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Logo
Name

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Program Content

Source Code:

Question 1

class Divide:

```
namespace AlbertMichaelLudick_5119_Group_act_2
{
    0 references
    class Divide
    {
        0 references
        static void Main(string[] args)
        {
```

```
static void Main(string[] args)
{
    Console.WriteLine("plz enter a number");
    int number1 = Convert.ToInt32(Console.ReadLine());

    Console.WriteLine("plz enter a number");
    int number2 = Convert.ToInt32(Console.ReadLine());

    divide(number1, number2);

    Console.WriteLine("press any button to exit");
    Console.ReadKey();
}
```

```
1 reference
static void divide(int number1,int number2)
{
    try
    {
        try
        {
            int results = number1 / number2;
            int remainder = number1 % number2;
```

```
try
{
    try
    {
        int results = number1 / number2;
        int remainder = number1 % number2;

        Console.WriteLine($"this is the result of the division {results} "+
            $"and this is the remainder {remainder}");
    }
    catch (DivideByZeroException ex)
    {
        Console.WriteLine($"error occured{ex}");
        throw ex;
    }
}
```

```

try
{
    int results = number1 / number2;
    int remainder = number1 % number2;

    Console.WriteLine($"this is the result of the division {results} "+
        $"and this is the remainder {remainder}");
}
catch (DivideByZeroException ex)
{

```

```

    }
    catch (DivideByZeroException ex)
    {
        Console.WriteLine($"error occured{ex}");
        throw ex;
    }
}
catch(ArithmeticException ex)
{
    Console.WriteLine($"error occured{ex}");
}
}

```

```

static void divide(int number1,int number2)
{
    try
    {
        try
        {
            int results = number1 / number2;
            int remainder = number1 % number2;

            Console.WriteLine($"this is the result of the division {results} "+
                $"and this is the remainder {remainder}");
        }
        catch (DivideByZeroException ex)
        {
            Console.WriteLine($"error occured{ex}");
            throw ex;
        }
    }
    catch(ArithmeticException ex)
    {
        Console.WriteLine($"error occured{ex}");
    }
}
}

```

Question 2

Class Numbers:

```
namespace Furniture
{
    References
    class Furniture
    {
        References
        static void Main(string[] args)
        {
            Console.WriteLine("plz choose a wood by specifing the wood by number"+
                "\n 1:pine  \n 2:oak  \n 3:mahogany ");
            int UserChoice = Convert.ToInt32(Console.ReadLine());
            switch (UserChoice)
            {
                case 1:
```

```
                switch (UserChoice)
                {
                    case 1:
                    {
                        Console.WriteLine("the price for the pine table is $100");
                        break;
                    }
                    case 2:
                    {
                        Console.WriteLine("the price for the oak table is $225");
                        break;
                    }
                }
            }
        }
    }
}
```

```
            case 3:
            {
                Console.WriteLine("the price for the " +
                    "mahogany table is $310");
                break;
            }
            default:
            {
                Console.WriteLine("the price for the table is $0 " +
                    "becuase invalid choice");
                break;
            }
        }
    }
}
```

```
            break;
        }
    }
    Console.WriteLine("press any button to exit");
    Console.ReadKey();
}
```

Output of all questions

Output of Question 1:

```
Microsoft Visual Studio Debug Console
plz choose a wood by specifying the wood by number
1:pine
2:oak
3:mahogany
2
the price for the oak table is $225
press any button to exit
```

Output of Question 2:

```
Microsoft Visual Studio Debug Console
plz enter a number
20
plz enter a number
2
this is the result of the division 10 and this is the remainder 0
press any button to exit
```

```
Microsoft Visual Studio Debug Console
plz enter a number
25
plz enter a number
2
this is the result of the division 12 and this is the remainder 1
press any button to exit
```

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