

IUBAT - International University of Business, Agriculture and Technology

Visual Programming Lab  
CSC 440

Md. Monirul Islam  
ID#17103333

Date: June 13th, 2021

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main.cs

```
1 using System;
2 namespace LabClass02
3 {
4     class Program01
5     {
6         static void Main(string[] args)
7         {
8             int i;
9             Console.WriteLine("Enter a Number: ");
10            i=int.Parse(Console.ReadLine());
11            if(i%2==0)
12            {
13                Console.WriteLine("Entered Number is an Even Number");
14                Console.ReadLine();
15            }
16            else
17            {
18                Console.WriteLine("Entered Number is an Odd Number");
19                Console.ReadLine();
20            }
21        }
22    }
23 }
```

input

Enter a Number: 17103333  
Entered Number is an Odd Number

...Program Finished with exit code 0  
Press ENTER to exit console.

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main.cs

```
1 using System;
2 namespace LabClass02
3 {
4     class Program02
5     {
6         static void Main(string[] args)
7         {
8             int num1, num2, temp;
9             Console.WriteLine("Enter the First Number: ");
10            num1=int.Parse(Console.ReadLine());
11            Console.WriteLine("Enter the Second Number: ");
12            num2=int.Parse(Console.ReadLine());
13            temp=num1;
14            num1=num2;
15            num2=temp;
16            Console.WriteLine("\nAfter Swapping: ");
17            Console.WriteLine("First Number: " + num1);
18            Console.WriteLine("Second Number: " + num2);
19            Console.ReadLine();
20        }
21    }
22 }
```

input

Enter the First Number: 1710  
Enter the Second Number: 3333

After Swapping:  
First Number: 3333  
Second Number: 1710

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main.cs

```
1 using System;
2 namespace LabClass02
3 {
4     class Program03
5     {
6         static void Main(string[] args)
7         {
8             /*local variable definition*/
9             int a=1710;
10            /*check the boolean condition using if statement*/
11            if(a<3333)
12            {
13                /*if condition is true then print the following*/
14                Console.WriteLine("a is less than 3333");
15            }
16            Console.WriteLine("value of a is: {0}",a);
17            Console.Read();
18        }
19    }
20 }
```

Shalaudinn 15...

input

a is less than 3333  
value of a is: 1710

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main.cs

```
1 using System;
2 namespace LabClass02
3 {
4     class Program04
5     {
6         static void Main(string[] args)
7         {
8             /*local variable definition*/
9             int a=3333;
10            /*check the boolean condition using if statement*/
11            if(a<1710)
12            {
13                /*if condition is true then print the following*/
14                Console.WriteLine("a is less than 1710");
15            }
16            else
17            {
18                /*if condition is false then print the following*/
19                Console.WriteLine("a is not less than 1710");
20            }
21            Console.WriteLine("value of a is: {0}",a);
22            Console.Read();
23        }
24    }
25 }
```

input

a is not less than 1710  
value of a is: 3333

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main.cs

```
1 using System;
2 namespace LabClass02
3 {
4     class Program05
5     {
6         static void Main(string[] args)
7         {
8             double d=5673.74;
9             int i;
10
11             /*cast double to int*/
12             i=(int)d;
13             Console.WriteLine(i);
14             Console.Read();
15         }
16     }
17 }
18 }
```

input

5673

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main.cs

```
1 using System;
2 namespace LabClass02
3 {
4     class Program06
5     {
6         static void Main(string[] args)
7         {
8             /*creating integer type variable*/
9             int num1, num2, result;
10
11             /*display message*/
12             Console.WriteLine("Please enter first value");
13             /*accepting value in num1*/
14             num1=Int32.Parse(Console.ReadLine());
15
16             /*display message*/
17             Console.WriteLine("Please enter second value");
18             /*accepting value in num2*/
19             num2=Int32.Parse(Console.ReadLine());
20
21             /*processing value*/
22             result=num1+num2;
23
24             /*output*/
25             Console.WriteLine("Add of {0} and {1} is {2}", num1, num2, result);
26             Console.Read();
27         }
28     }
29 }
```

input

Please enter first value  
17100000  
Please enter second value  
3333  
Add of 17100000 and 3333 is 17103333

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main.cs

```
1 using System;
2 namespace LabClass02
3 {
4     class Program07
5     {
6         static void Main(string[] args)
7         {
8             /*for loop execution*/
9             for(int i=10; i<20; i=i+1)
10            {
11                Console.WriteLine("value of i: {0}", i);
12            }
13            Console.Read();
14        }
15    }
16 }
17 }
```

Shalauddin 15...

Value of i: 10  
Value of i: 11  
Value of i: 12  
Value of i: 13  
Value of i: 14  
Value of i: 15  
Value of i: 16  
Value of i: 17  
Value of i: 18  
Value of i: 19

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main.cs

```
1 using System;
2 namespace LabClass02
3 {
4     class Program08
5     {
6         static void Main(string[] args)
7         {
8             /*local variable definition*/
9             int i=10;
10
11             /*while loop execution*/
12             while(i<20)
13             {
14                 Console.WriteLine("value of i: {0}", i);
15                 i++;
16             }
17             Console.Read();
18         }
19     }
20 }
21 }
```

Value of i: 10  
Value of i: 11  
Value of i: 12  
Value of i: 13  
Value of i: 14  
Value of i: 15  
Value of i: 16  
Value of i: 17  
Value of i: 18  
Value of i: 19

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main.cs

```
1 using System;
2 namespace LabClass02
3 {
4     class Program09
5     {
6         static void Main(string[] args)
7         {
8             /*local variable definition*/
9             int i=10;
10
11             /*do loop execution*/
12             do
13             {
14                 Console.WriteLine("value of i: {0}", i);
15                 i=i+1;
16             }
17             while(i<20);
18             Console.Read();
19         }
20     }
21 }
22 }
```

Input

```
value of i: 10
value of i: 11
value of i: 12
value of i: 13
value of i: 14
value of i: 15
value of i: 16
value of i: 17
value of i: 18
value of i: 19
```

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main.cs

```
1 using System;
2 namespace LabClass02
3 {
4     class Program10
5     {
6         static void Main(string[] args)
7         {
8             /*declaring array*/
9             string[] arr=new string[5];
10
11             /*storing value in array element*/
12             arr[0]="Steven";
13             arr[1]="Clark";
14             arr[2]="Mark";
15             arr[3]="Thompson";
16             arr[4]="John";
17
18             /*retrieving value using foreach loop*/
19             foreach(string name in arr)
20             {
21                 Console.WriteLine("Hello "+ name);
22             }
23             Console.Read();
24         }
25     }
26 }
27 }
```

Input

```
Hello Steven
Hello Clark
Hello Mark
Hello Thompson
Hello John
```