Bahria University, Karachi Campus



LIST OF TASKS

TASK NO	OBJECTIVE
1	Fibonacci series (0,1,1,2,3,5,8) for and while loop
2	Repeatedly print the value of the variable xValue, decreasing it by 0.5 each time, as
	long as xValue remains positive. (while loop)
3	Print the square roots of the first 25 odd positive integers. (while loop)

Submitted On:

01 December, 2021

(Date: DD/MM/YY)

CSC-113 Computer Programming while and do-while loops

Task 1: Print Fibonacci series (0,1,1,2,3,5,8...) using for and while loop

USING FOR LOOP

Solution:

```
using System;
namespace Lab_7_Task_1
    class Program
        static void Main(string[] args)
            int a = 0, b = 1, n,t;
            Console.Write("Enter no. of terms: ");
            t = int.Parse(Console.ReadLine());
            Console.Write("{0}, {1}, ",a,b);
            for (int i=2; i < t;i++)</pre>
                n = a + b;
                a = b;
                b = n;
                Console.Write("{0}, ",n);
        }
   }
}
```

Output:

Microsoft Visual Studio Debug Console

```
Enter no. of terms: 8
0, 1, 1, 2, 3, 5, 8, 13,
E:\vs\Lab 7 Task 1\bin\Debug\net5.0\Lab 7 Task 1.exe (process 9864) exited with code 0.
Press any key to close this window . . .
```

CSC-113 Computer Programming while and do-while loops

USING WHILE LOOP

Solution:

Output:

Microsoft Visual Studio Debug Console

```
Enter no. of terms: 8
0, 1, 1, 2, 3, 5, 8, 13,
E:\vs\Lab 7 Task 1\bin\Debug\net5.0\Lab 7 Task 1.exe (process 9864) exited with code 0.
Press any key to close this window . . .
```

CSC-113 Computer Programming while and do-while loops

Task 2: Repeatedly print the value of the variable value of x, decreasing it by 0.5 each time, as long as value of x remains positive using while loop.

Solution:

Solution:

```
Microsoft Visual Studio Debug Console

Enter a value: 9

8.5

8.7.5

6.5

6.5

5.4.5

4.5

4.5

1.5

1

0.5

E:\vs\Lab 7 Task 2\bin\Debug\net5.0\Lab 7 Task 2.exe (process 5516) exited with code 0.

Press any key to close this window . . .
```

CSC-113 Computer Programming while and do-while loops

Task 3: Print the square roots of the first 25 odd positive integers using while loop.

Solution:

Output:

```
Enter no. of terms: 8

Square root of 1 is 1.00

Square root of 3 is 1.73

Square root of 5 is 2.24

Square root of 7 is 2.65

Square root of 9 is 3.00

Square root of 11 is 3.32

Square root of 13 is 3.61

Square root of 15 is 3.87

E:\vs\ConsoleApp4\bin\Debug\net5.0\ConsoleApp4.exe (process 3020) exited with code 0.

Press any key to close this window . . .
```