

C# .Net Programming Assignment 9

- Create separate visual Studio project for each problem statement separately.
- For Business logic write separate class.
- Use Object Oriented concepts while writing the program.

1. Write a program which is used to create only one thread which accept range from main thread and display all numbers from that range.

```
using System;
using System.Threading;

public class Marvellous
{
    public void DisplayRange(int iStart, int iEnd)
    {
        // Logic
    }
}

public class Infosystems
{
    public static void Main()
    {
        Marvellous mobs = new Marvellous();

        // Create object of thread class and provide thread procedure as
        DisplayRange
        // Start the execution of thread.
    }
}
```

2. Write a program which is used to create two threads one thread which accept range from main thread and display all numbers in forward direction and other thread display numbers in backward direction.

```
using System;
using System.Threading;

public class Marvellous
{
    public void DisplayRangeF(int iStart, int iEnd)
    {
        // Logic
    }
}
```

```
        public void DisplayRangeB(int iStart, int iEnd)
        {
            // Logic
        }
    }

    public class Infosystems
    {
        public static void Main()
        {
            Marvellous mobs = new Marvellous();

            // Create 2 object of thread class and provide thread procedure as
            DisplayRangeF and DisplayRangeB

            // Start the execution of thread both threads.
        }
    }
```

3. Write a program which creates one thread ,inside thread procedure we have to display all information about that thread as its name, id, priority , its execution status etc.

4. Write a program which is used to create two threads one thread which accept range from main thread and display all numbers in forward direction and other thread display numbers in backward direction.

From Main thread we have to start both the threads but When first thread which prints the number in forward direction at that time other thread should wait. When First thread completes its execution then second thread should start its execution.