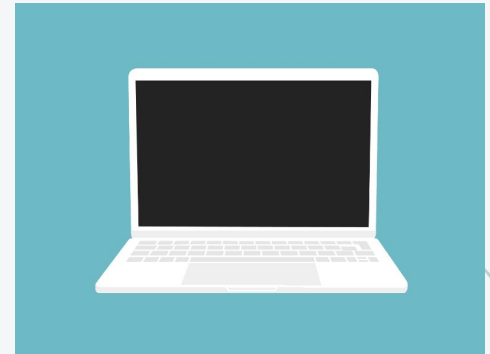# .NET Technologies

.NET Technologies - Lecture 3

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UNIT 1: Topics in this presentation

.NET Control Structures:

- If else

- For Loop

- While Loop

- Do While Loop

- Break / Continue

- Goto

- Switch

If Else Loop

```csharp
using System;
public class IfExample
    {
        public static void Main(string[] args)
        {
            int num = 10;
            if (num % 2 == 0)
            {
                Console.WriteLine("It is even number");
            }
        }
    }
```

For Loop

```
using System;
public class ForExample
  {
    public static void Main(string[] args)
    {
       for(int i=1;i<=10;i++){
         Console.WriteLine(i);
       }
    }
  }
```

While Loop

```
using System;
public class WhileExample
  {
    public static void Main(string[] args)
    {
      int i=1;
      while(i<=10)
      {
        Console.WriteLine(i);
        i++;
      }
    }
  }
```

Do While Loop

```
using System;
public class DoWhileExample
    {
     public static void Main(string[] args)
     {
        int i = 1;

        do{
            Console.WriteLine(i);
            i++;
        } while (i <= 10) ;


     }
    }
```

Break/Continue

```
using System;
public class BreakExample
  {
    public static void Main(string[] args)
    {
      for (int i = 1; i <= 10; i++)
      {
        if (i == 5)
        {
          break;
        }
        Console.WriteLine(i);
      }
    }
  }
```

```
using System;
public class ContinueExample
  {
    public static void Main(string[] args)
    {
      for(int i=1;i<=10;i++){
        if(i==5){
          continue;
        }
        Console.WriteLine(i);
      }
    }
}
```

Goto

```
using System;
public class GotoExample
    {
    public static void Main(string[] args)
    {
    ineligible:
        Console.WriteLine("You are not eligible to vote!");
```

```
Console.WriteLine("Enter your age:\n");
    int age = Convert.ToInt32(Console.ReadLine());
    if (age < 18){
        goto ineligible;
    }
  else
{
 Console.WriteLine("You are eligible to vote!");
    }
    }
    }
```

Switch Case

```
using System;
 public class SwitchExample
   {
    public static void Main(string[] args)
    {
        Console.WriteLine("Enter a number:");
        int num= Convert.ToInt32(Console.ReadLine());

        switch (num)
        {
            case 10: Console.WriteLine("It is 10"); break;
            case 20: Console.WriteLine("It is 20"); break;
            case 30: Console.WriteLine("It is 30"); break;
            default: Console.WriteLine("Not 10, 20 or 30"); break;
        }
    }
}
```