

## Day 10 Evening Assignment

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### 1. Research and try to understand what is abstraction

#### **Abstraction:**

In abstraction, only the required information is visible to the user and the rest of the information is hidden.

The keyword “abstract” is used before the class or method to declare the class or method as abstract.

### 2. Write the 2 main uses of Abstract class

- Abstract class is used for code reusability.
- Enforcing the derived class to must override the abstract method.

### 3. Create one example of your choice to demonstrate Abstract class

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;

namespace ConsoleApp1
{
    abstract class Shape
    {
        public abstract void draw();
    }
    public class Rectangle : Shape
    {
        public override void draw()
        {
            Console.WriteLine("Draw Rectangle");
        }
    }
}
```

```
    }  
}  
public class Circle : Shape  
{  
    public override void draw()  
    {  
        Console.WriteLine("Draw Circle");  
    }  
}  
class Program  
{  
    static void Main(string[] args)  
    {  
        Rectangle r1 = new Rectangle();  
        r1.draw();  
        Circle c1 = new Circle();  
        c1.draw();  
    }  
}  
}
```