

## DAY 10 EVENING ASSIGNMENT

-- BY SARATH KASIMSETTY

### 1) Research and try to understand , what is Abstraction.

Abstraction is an important part of OOPS.

Abstraction only the required information is visible to the user and rest of the information is hidden in class (Abstract class).

Abstract classes are base class that cannot be used to create object (to access it, it must be inherited to another class or derived class.)

Abstract methods can be used in an abstract class, and it does not have a body. The body is provided by the derived class

#### Benefits of Abstract:

- Re-usability
- Any abstract methods have in abstract class and to must override in derived method.

### 2) Write the 2 main uses of Abstract class by using the example discussed in the class.

#### CODE:

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
//sarth kasimsetty
//Write the 2 main uses of Abstract class by using the example discussed in the
class.
namespace Day10EveningProject2
{
    abstract class Salary
    {
        public int GetPF (int basic)
        {
```

```

        return 12 * basic / 100;
    }
    public int getHRA (int basic)
    {
        return 40 * basic / 100;
    }

    public abstract int GetCA();
    public abstract int GetSA();
}

class Microsoft : Salary
{
    public override int GetCA()
    {
        return 4000;
    }

    public override int GetSA()
    {
        return 5000;
    }
}

class Facebook: Salary
{
    public override int GetCA()
    {
        return 5000;
    }

    public override int GetSA()
    {
        return 6000;
    }
}

class Google : Salary
{
    public override int GetCA()
    {
        return 10000;
    }

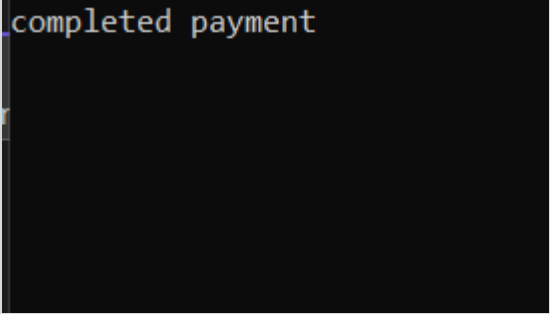
    public override int GetSA()
    {
        return 10000;
    }
}

internal class Program
{
    static void Main(string[] args)
    {
        Google emp = new Google();
        emp.GetCA();
        emp.GetSA();
    }
}

```

```
        Console.WriteLine("completed payment");  
        Console.ReadLine();  
    }  
}
```

## OUTPUT:

A screenshot of a console window with a black background. The text "completed payment" is displayed in a light blue or cyan monospaced font. The text is positioned at the top left of the window, and there is a small vertical line of the same color to its left, possibly indicating a cursor or a line of output.

completed payment