

DAY 10 EVENING ASSIGNMENT

BY

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1. Research and try to understand what is Abstract

- Abstraction is an important part of object oriented programming. It means that only the required information is visible to the user and the rest of the information is hidden.
- Abstraction can be implemented using abstract classes in c#. Abstract classes are base classes with partial implementation.

Q2. Write the 2 main uses of Abstract class by using the example discussed in the class.

Uses: 1. Re-usability

2. Enforcing the derived class to must override the abstract methods.

Example code:

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

namespace DAY10_EVENING_project1
{
    // AUTHOR : ANDE MANOHAR
    //PURPOSE: To create an Abstract class
    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 6000;
}

public override int GetSA()
{
    return 7000;
}
}
class Google : Salary
{

    public override int GetCA()
    {
        return 8000;
    }
    public override int GetSA()
    {
        return 10000;
    }
}
class IBM : Salary
{

    public override int GetCA()
    {
        return 4000;
    }
    public override int GetSA()
    {
        return 6000;
    }
}
class Facebook : Salary
{

    public override int GetCA()
    {
        return 12000;
    }
    public override int GetSA()
    {
        return 8000;
    }
}

internal class Program
{
    static void Main(string[] args)
```

```
{  
    //Microsoft  
    //Google  
    //IBM  
    //Facebook  
  
    Console.WriteLine("Complted processing");  
    Console.ReadLine();  
}  
}
```