Day 10 Evening Assignment

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Assignment 1

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

- ✓ Abstract class is used for Code-Reusability.
- ✓ What ever we have normal methods in the abstract class, we can use them with ease in the derived class. Where as, the abstract methods in the abstract class must be implemented & overridden in the derived class mandatory.

✓ Enforcing the derived class, must override the abstract methods.

Assignment 2

Write C# Code, for demonstrating abstract class.

```
using System;
// Author : Manoj.Karnatapu
// Purpose : Abstract Template Creation
// For Reference, check Day10EVEProject1 in the same Repository.
namespace Day10EVEProject1
    /// <summary>
    /// This is an Abstract Class
    /// </summarv>
    abstract class Salary
         /// <summary>
         /// This is a GetPF Normal Method with Body
/// </summary>
/// <param name="basic">INT Basic</param>
         /// <returns>Cal O/p</returns>
         public int GetPF(int basic)
```

```
{ return 12 * basic / 100; }
        /// <summary>
        /// This is a GetHRA Normal Method with Body
        /// </summary>
        /// <param name="basic">INT Baisc</param>
        /// <returns>Cal 0/p</returns>
        public int GetHRA(int basic)
        { return 40 * basic / 100; }
        /// <summary>
        /// This is an Abstract Method GetCA, it doesn't have a Body in
Abstract class.
        /// </summary>
        /// <returns>Enforcing Derived class to Use this method
mandatorly.</returns>
        public abstract int GetCA();
        /// <summary>
        /// This is an Abstract Method GetSA, it doesn't have a Body in
Abstract class.
        /// </summary>
        /// <returns>Enforcing Derived class to Use this method
mandatorly.</returns>
        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 10000;
        }
        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 20000;
       }
       public override int GetSA()
           return 20000;
   internal class Program
       static void Main(string[] args)
           // Microsoft Code
           // Google Code
           // IBM Code
           // Facebook Code
           Console.WriteLine("Abstract Class Template Execution Success");
           Console.ReadLine();
       }
   }
}
Output
                                                             X
        C:\Windows\system32' X
       Abstract Class Template Execution Success
       Press any key to continue . . .
```