| **DAY 10 : Evening Assignment**  **By**  **Vihar D.** |
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| **Assignment 1** |
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| **Write down the 2 main uses of abstract class by using an example as discussed in the session** |
| **Answer :** |
| * **Abstract class is primarily used for Code-Reusability.** * **All the normal methods in the abstract class can be in the derived class.** * **However, abstract methods in abstract class must be overloaded and overridden in the derived class (or) Enforce the derived class, override the abstract methods.** |

| **Assignment 2** |
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| **Write a C# code for demonstrating an abstract class** |
| **Answer :** |
| using System;  using System.Collections.Generic;  using System.Linq;  using System.Text;  using System.Threading.Tasks;  namespace abstract\_class  {  *//Abstract class----------------------------*  abstract class Salary  {  *//For calculating PF ----------------------------*  public int GetPF(int basic)  {  return 12 \* basic / 100;  }  *//For calculating HRA----------------------------*  public int GetHRA(int basic)  {  return 40 \* basic / 100;  }  *//For Calculating CA----------------------------*  public abstract int GetCA();  *//For Calculating SA----------------------------*  public abstract int GetSA();  }  *// Facebook Salary Allowance----------------------------*  class FacebookMeta : Salary  {  public override int GetCA()  {  return 4000;  }  public override int GetSA()  {  return 5000;  }  }  *// Amazon Salary Allowance----------------------------*  class Amazon : Salary  {  public override int GetCA()  {  return 8000;  }  public override int GetSA()  {  return 9000;  }  }  *// Netflix Salary Allowance----------------------------*  class Netflix : Salary  {  public override int GetCA()  {  return 10000;  }  public override int GetSA()  {  return 12000;  }  }  *// Google Salary Allowance----------------------------*  class Google : Salary  {  public override int GetCA()  {  return 14000;  }  public override int GetSA()  {  return 16000;  }  }  internal class Program  {  *// FANG Salary Allowances----------------------------*  *// FacebookMeta*  *// Amazon*  *// Netflix*  *// Google*  static void Main(string[] args)  {  Console.WriteLine("Process Completed !!");  Console.ReadLine();  }  }  } |
| **Output :** |
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