***DAY 10 EVENING ASSIGNMENT PRESENTED***

***BY***

***POTUKANUMA JEEVITHA***

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| **1.Research and try to understand what is ABSTRACTION ?** |
| **Ans:-** |
| Abstraction is the concept of object-oriented programming that "shows" only essential attributes and "hides" unnecessary information. The main purpose of abstraction is hiding the unnecessary details from the users. |

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| **2.Write the 2 main uses of abstract class by using the example discussed in the class.** |
| **Ans:-** |
| Uses: 1. Code Re-usability  2. Enforcing the derived class to must override the abstract method. |
| **Code:-** |
| using System;  using System.Collections.Generic;  using System.Linq;  using System.Text;  using System.Threading.Tasks;  namespace day\_10\_evening  {  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 25000;  }  public override int GetSA()  {  return 10000;  }  }  class Google : Salary  {  public override int GetCA()  {  return 32000;  }  public override int GetSA()  {  return 56000;  }  }  class IBM : Salary  {  public override int GetCA()  {  return 45000;  }  public override int GetSA()  {  return 50000;  }  }  class facebook : Salary  {  public override int GetCA()  {  return 1000;  }  public override int GetSA()  {  return 3000;  }  }  internal class Program  {  static void Main(string[] args)  {  //microsoft  //Google  //IBM  //facebook  Console.WriteLine("completed processing");  Console.ReadLine();  }  }  } |

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| **3.Create one more example of your choice to demonstrate abstract class.** |
| **Code:-** |
| using System;  using System.Collections.Generic;  using System.Linq;  using System.Text;  using System.Threading.Tasks;  namespace day\_10\_evening\_example  {  abstract class College  {  public string CollegeName()  {  return "VIT";  }  public string CollegeLocation()  {  return "MADANAPALLI" ;  }  public abstract int StudentID();  public abstract string StudentName();  }  class EEE : College  {  public override int StudentID()  {  return 1;  }  public override string StudentName()  {  return "john";  }  }  class ECE : College  {  public override int StudentID()    {  return 2;  }  public override string StudentName()  {  return "jeevitha";  }  }  class MECH : College  {  public override int StudentID()  {  return 3;  }  public override string StudentName()  {  return "mouni" ;  }  }    internal class Program  {  static void Main(string[] args)  {  Console.WriteLine("Details Entered Successfully");  Console.ReadLine();  }  }  } |