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| **DAY 14 ASSIGNMENT**  **By**  **ARUN KUMAR YADLAPALLI**  **@**  **NB Healthcare Technologies PVT LTD.** |

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| Q1) What is a Sealed class? |
| A) Sealed classes are used to restricting the users from inheriting the class. A class can be sealed by using the sealed keyword. The keyword tells the compiler that the class is sealed.  No class can be derived from Sealed class. |
| Program:  Sealed class Author  {  Private string name;  Private int noofbooks;  }  Class library : Authors  {  Private string type;  } |

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| Q2) Research and write what is the difference between normal properties and auto-implemented properties. |
| A) Normal properties refers to the private variables where Auto implemented properties will not refer to any private variables.  In normal properties we can either take get or set or both get and set as well.  In auto implemented properties we must take either get or both set and get. |

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| Q3) WACP to check if the number is prime or notusing logic discussed in the classHINT : use break; |
| Code:  namespace Day\_15\_project\_1  {  class Program  {  static void Main(string[] args)  {  int i, n = 9;  for (i=2;i<n;i++)  {  if (n % i == 0)  break;  }  if (i==n)  Console.WriteLine("It's a prime number {0}",n);  else  Console.WriteLine("Given number is not prime");    Console.ReadLine();  }  }  } |
| Output: |

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| Q4) print numbers from 1 to 30 and skip the numbers divisible by 3HINT : use continue; |
| Code:  namespace Day\_4\_Project\_5  {  class Program  {  static void Main(string[] args)  {  int n = 30;  for (int i=1; i<=n; i++)  {  if (i % 3 == 0)  continue;  Console.WriteLine(i);    }  Console.ReadLine();  }  }  } |
| Output: |

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| Q5) Find the first number after 1000 which isdivisible by 97.HINT : use for loop and break |
| Code:  namespace Day\_14\_project\_6  {  class Program  {  static void Main(string[] args)  {  int n = 97;  for (int i=1000; i<=1097; i++)  {  if (i%n==0)  {  Console.WriteLine(i);  break;  }  Console.ReadLine();  }  }  }  } |
| Output: |