TOPICS (Fundamentals, OOPs) Assignment Basic Level

B1. What is C#?

Ans C# is pronounced "C-Sharp". It is an object-oriented programming language created by Microsoft that runs on the .NET Framework.

B2. Can we use keywords as a identifier? Why?

Ans Keywords are predefined, reserved words used in programming that have special meanings to the compiler. Keywords are part of the syntax and they cannot be used as an identifier.

B3. Create program to take 5 students details using structure Ans

B5. Create program to sort string in descending order

```
Ans using System;
```

```
{
    int temp = a[j + 1];
    a[j + 1] = a[j];
    a[j] = temp;
}

Console.WriteLine("Descending Sort:");
for (i = 0; i < 5; i++)

{
    Console.WriteLine(a[i] + "");
}
Console.ReadKey();
}
</pre>
```

B6. Explain any 5 string operation methods
Ans

Method Name	Description
1:13 122 5 1 : 5:2216	_ 33311p 1331
Clone()	It is used to return a reference to this instance of String.
Compare(String, String)	It is used to compares two specified String objects. It return indicates their relative position in the sort order.
CompareOrdinal(String, String)	It is used to compare two specified String objects by evalua values of the corresponding Char objects in each string
CompareTo(String)	It is used to compare this instance with a specified String of whether this instance precedes, follows, or appears in the sam sort order as the specified string.
Concat(String, String)	It is used to concatenate two specified instances of String.

B7. Create program to take 2 numbers from user and show maximum number Ans using System;

```
namespace B7
  class Program
    static void Main(string[] args)
       int a, b;
       Console.WriteLine("Enter Any Two Number: ");
       a = Convert.ToInt32(Console.ReadLine());
       b = Convert.ToInt32(Console.ReadLine());
       if(a>b)
       {
         Console.WriteLine(a);
       else
         Console.WriteLine(b);
B8
using System;
namespace B8
  class Program
    static void Main(string[] args)
       int sum = 0,n, r;
       Console.WriteLine("enter the number");
       n = Convert.ToInt32(Console.ReadLine());
       while (n > 0)
         r = n * n;
         sum = r + sum;
         n--;
```

```
Console.WriteLine("Total is : "+sum);
  }
I5
using System;
namespace I5
  class Program
     static void Main(string[] args)
       int a = 0, b = 1, c, n, i = 1;
       Console.WriteLine("enter number for count series output:");
       n = Convert.ToInt32(Console.ReadLine());
       Console.WriteLine(a);
       Console.WriteLine(b);
       for (i = 1; i \le n; i++)
       {
         c = a + b;
         Console.WriteLine(c);
         a = b;
         b = c;
ΑI
using System;
namespace AI
  class Program
```

```
static void Main(string[] args)
       int sum = 0;
       Console.Write("N:");
       int n = Convert.ToInt32(Console.ReadLine());
       for (int i = 0; i \le n; i++)
         sum = sum + i * i;
         Console.WriteLine(sum
            );
  }
Pattern 1
using System;
namespace Pattern1
  class Program
    static void Main(string[] args)
       int a,k;
       Console.WriteLine("Enter Number To Draw Pattern: ");
       a = Convert.ToInt32(Console.ReadLine());
       //Console.WriteLine("-----");
       k = 1;
       for (int i = 1; i \le a; i++)
         for (int j = 1; j \le i; j++, k++)
          {
            Console.Write(k);
```

```
Console.WriteLine();
}

}

Enter Number To Draw Pattern :
5
1
23
456
78910
1112131415
```

```
*
# #
* * *
# # #
```

```
using System;
namespace Pattern1
  class Program
    static void Main(string[] args)
     int a;
       Console.WriteLine("Enter Number To Draw Pattern: ");
       a = Convert.ToInt32(Console.ReadLine());
       for (int i = 1; i \le a; i++)
       for (int j = 1; j \le i; j++)
            Console.Write("*#");
       }
       Console.WriteLine();
       }
```

```
Enter Number To Draw Pattern :
4
*#
*#*#
*#*#*
*#*#*#
```

```
using System;
namespace Pattern1
  class Program
    static void Main(string[] args)
     int a;
       Console.WriteLine("Enter Number To Draw Pattern: ");
       a = Convert.ToInt32(Console.ReadLine());
       for (int i = 1; i \le a; i++)
       for (int j = 1; j \le i; j++)
            Console.Write("*");
       Console.WriteLine();
       }
```

```
Enter Number To Draw Pattern :

5

**

**

***

***

****
```

```
using System;
namespace Pattern1
  class Program
    static void Main(string[] args)
     int a;
       Console.WriteLine("Enter Number To Draw Pattern: ");
       a = Convert.ToInt32(Console.ReadLine());
       for (int i = 1; i \le a; i++)
       for (int j = 1; j \le i; j++)
            Console.Write(i);
       Console.WriteLine();
       }
```

```
Enter Number To Draw Pattern :
22
333
4444
55555
Pattern 6
  using System;
  namespace Pattern1
     class Program
       static void Main(string[] args)
       int a;
          Console.WriteLine("Enter Number To Draw Pattern: ");
          a = Convert.ToInt32(Console.ReadLine());
          for (int i = 1; i \le a; i++)
          for (int j = 1; j \le i; j++)
               Console.Write(j);
          Console.WriteLine();
          }
Enter Number To Draw Pattern :
```

B9. What do you mean by loop variable?

Ans In for loop, a loop variable is used to control the loop. First initialize this loop variable to some value, then check whether this variable is less than or greater than counter value. If statement is true, then loop body is executed and loop variable gets updated.

B10. What do you mean by interation?

Ans An interface is a completely "abstract class", which can only contain abstract methods and properties (with empty bodies)

B11. What is Array?

Ans An array is a group of like-typed variables that are referred to by a common name. And each data item is called an element of the array. The data types of the elements may be any valid data type like char, int, float, etc. and the elements are stored in a contiguous location.

B12. Show ASCII value of entered number

```
Ans using System;
namespace B12
  class Program
    static void Main(string[] args)
       string str;
       Console.WriteLine("Enter Value For ASCII: ");
       str = Console.ReadLine();
       foreach (var c in str)
         Console.WriteLine((int)c);
     }
```

B13. What is jagged array? Explain with example

Ans Jagged array is a multidimensional array where member arrays are of different size. For example, we can create a 2D array where first array is of 3 elements, and is of 4 elements.

B15. Write a program to call class method.

```
Ans using System;
namespace B15
  class yash
    string a = "YASH NAKRANI";
    public void show()
      Console.WriteLine("YASH NAKRANI");
  class Program
    static void Main(string[] args)
      yash e = new yash();
      e.show();
}
```

B16. Write a program to calculate arithmetic operations using class and object.

```
Ans using System;
namespace B16
```

```
class arithmetic
  int a,b,c;
  public void getdata()
    Console.WriteLine("ENTER TWO VALUE:");
    a = Convert.ToInt32(Console.ReadLine());
    b = Convert.ToInt32(Console.ReadLine());
  public void add()
    c = a + b;
    Console.WriteLine(" addtion of two number is: "+ c);
  public void sub()
    c = a - b;
    Console.WriteLine(" subtraction of two number is : " + c);
  public void mul()
    c = a * b;
    Console.WriteLine(" multipilcation of two number is: " + c);
  public void div()
    c = a / b;
    Console. WriteLine(" divsion of two number is : " + c);
class Program
  static void Main(string[] args)
    arithmetic e = new arithmetic();
    e.getdata();
    e.add();
    e.sub();
    e.mul();
    e.div();
```

```
B17. Write a program to call method of parent class.
Ans using System;
namespace B17
  class yash
    string str = "yash";
  }
  class Program
     static void Main(string[] args)
       yash e = new yash();
  }
B18. Write a program to get three subject marks details and then show average
and sum.
Ans using System;
namespace B18
  class marks
     int maths;
     int sci;
     int ss;
     float average;
     int sum;
    public void getdata()
       Console.WriteLine("Enter Marks Of Maths");
```

```
maths = Convert.ToInt32(Console.ReadLine());
       Console.WriteLine("Enter Marks Of sci");
       sci = Convert.ToInt32(Console.ReadLine());
       Console. WriteLine("Enter Marks Of SS");
       ss = Convert.ToInt32(Console.ReadLine());
    }
    public void show()
       sum = maths + sci + ss;
       average = (maths + sci + ss) / 3;
       Console.WriteLine("TOTAL MARKS: {0}",sum);
       Console.WriteLine("AVERAGE MARKS: {0}", average);
  class Program
    static void Main(string[] args)
       marks m = new marks();
       m.getdata();
       m.show();
  }
B19. Write a program to calculate factorial number of userdefined value using
class.
Ans using System;
namespace B19
class fact
    int f,a=1;
    public void fac()
```

```
Console.WriteLine("Enter Value For Factorial: ");
       f = Convert.ToInt32(Console.ReadLine());
       for (int i = 1; i \le f; i++)
         a = a * i;
         Console.WriteLine("{0}",a);
       Console.WriteLine("factorial: {0}",a);
  class Program
     static void Main(string[] args)
       fact e = new fact();
       e.fac();
B20. Write a program to perform an example of data hiding.
Ans using System;
namespace B20
  class Class 1
     public void display()
       Console.WriteLine("Super class display method");
  }
  class Class2: Class1
    public new void display()
       Console.WriteLine("Sub class display method");
```

```
class Program
{
    static void Main(string[] args)
    {
        Class2 obj = new Class2();
        obj.display();
        Console.ReadKey();
    }
}
```

B21. How can we manage runtime errors?

Ans Using exception handling, we can handle exception in a proper way and show the accurate result as per user understanding. It is a mechanism to detect and handle run time errors.

B22. What is abstract class?

Ans An abstract class is a special class in C# that cannot be instantiated, The purpose of an abstract class is to provide a skeletal structure for other classes to derive from. Abstract classes have no implementation of their own.

B23. What is thread?

Ans a multi-threading system is built upon the Thread class, which encapsulates the execution of threads. This class contains several methods and properties which helps in managing and creating threads and this class is defined under System. Threading namespace.

B24. What is dll?

Ans A Dynamic Link library (DLL) is a library that contains functions and codes that can be used by more than one program at a time. Once we have created a DLL file, we can use it in many applications. The only thing we need to do is to add the reference/import the DLL File. Both DLL and .exe files are executable program modules but the difference is that we cannot execute DLL files directly.

B25. What is namespace?

Ans A namespace is designed for providing a way to keep one set of names separate from another. The class names declared in one namespace does not conflict with the same class names declared in another.

27. Create program to replace specific word from string

```
Ans using System;
namespace 27
  class Program
    static void Main(string[] args)
       char a='a';
       string str = a.ToString();
       Console. WriteLine(" enter word to convert to string: ");
       a = (char)Convert.ToInt32(Console.ReadLine());
  }
}
```

28. Create program to take 3 numbers from user and show maximum and minimum number

```
Ans using System;
namespace 28
  class Program
```

```
static void Main(string[] args)
{
    int a, b, c, max, min;
    Console.WriteLine("Enter Three Number: ");
    a = Convert.ToInt32(Console.ReadLine());
    b = Convert.ToInt32(Console.ReadLine());
    c = Convert.ToInt32(Console.ReadLine());

    Console.WriteLine("MAXIMUM NUMBER = " + Math.Max(Math.Max(a, b), c));
    Console.WriteLine("MINIMUM NUMBER = " + Math.Min(Math.Min(a, b), c));
}
```

29. What is difference between else if ladder and switch case

Ans

BASIS OF COMPARISON	ELSE IF LADDER	SWITCH CASE
The control	In else if ladder, the control runs through the every else if statement until it arrives at the true value of the statement or until it comes to the end of the else if ladder.	In else if ladder, the control runs through the every else if statement until it arrives at the true value of the statement or until it comes to the end of the else if ladder.
Working	Else if ladder statement works on the basis of true false (zero/non- zero) basis.	Switch case statement work on the basis of equality operator.
Use of Break Statement	In switch, the use of break statement is mandatory and very important.	In else if ladder, the use of break statement is not very essential.
Variable Data	Integer is the only variable data type that can be in expression of switch.	Either integer or character is the variable data type used in the expression of else if ladder.

30. What will occur if we not write break statement in switch case?

Ans Switch case statements are used to execute only specific case statements based on the switch expression. If we do not use break statement at the end of each case, program will execute all consecutive case statements until it finds next break statement or till the end of switch case block.

31. What is difference between entry loop and exit loop? Explain with example

Ans Entry controlled loops are used when checking of test condition is mandatory before executing loop body, whereas exit controlled is used when checking of test condition is mandatory after executing. For loop, Foreach loop and while loops are examples of entry controlled loops, whereas do-while loop is an example of exit controlled loop.

32. What do you mean by multi-dimension array?

Ans A data structure consisting of a vector of vectors, in the case of a 2dimensional array, or, in the case of an N-dimensional array, a vector of multidimensional arrays of degree N minus 1, thereby allowing the simulation of a N-dimensional grid of storage locations using an underlying memory architecture in which storage is addressed in a linear fashion.

33. Explain 5 method of array class with example

Ans

Sr.No.	Methods & Description
1	Clear Sets a range of elements in the Array to zero, to false, or to null, depending on the element type.
2	Copy(Array, Array, Int32) Copies a range of elements from an Array starting at the first element and pastes them into another Array starting at the first element. The length is specified as a 32-bit integer.
3	CopyTo(Array, Int32) Copies all the elements of the current one-dimensional Array to the specified one-dimensional Array starting at the specified destination Array index. The index is specified as a 32-bit integer.
4	GetLength Gets a 32-bit integer that represents the number of elements in the specified dimension of the Array.
5	GetLongLength Gets a 64-bit integer that represents the number of elements in the specified dimension of the Array.

34. Get 5 values from user and store in array and show all elements and sum of elements

```
Console.WriteLine("Enter Any Five Number: ");
for (int i = 0; i < 5; i++)
{
    a[i] = Convert.ToInt32(Console.ReadLine());
}

for (int i = 0; i < 5; i++)
{
    sum += a[i];
}
Console.WriteLine("TOTAL = "+sum);
}
}
```

35. Create program to make transform of two matrices Ans

36. What is difference between for loop and foreach loop?

Ans

For Loops:

For loops are appropriate loops when you know exactly how many times iteration you wants in statements within the loop.

For loop iterates a statement or a block of statements repeatedly until a specified expression evaluates to false.

ForEach Loops

For-each loop is used to iterate through the items in object collections, List generic collections or array list collections.

37. Write a program to call static method using class.

```
Ans using System;
```

```
namespace _37
  static class data
```

```
static string name;
     static string lang;
     static int id;
    public static void getdata()
       Console.WriteLine("Enter Name
       name = Console.ReadLine();
       Console.WriteLine("Enter Language: ");
       lang = Console.ReadLine();
       Console.WriteLine("Enter ID
       id = Convert.ToInt32(Console.ReadLine());
  class Program
     static void Main(string[] args)
       data.getdata();
  }
38. Write a program to implement multilevel inheritance.
Ans using System;
namespace 38
  class get
     public void computer()
       Console.WriteLine("computer stock - 10");
  class get2 : get
    public void laptop()
```

```
Console.WriteLine("laptop stock - 15");
}
class get3 : get2
{
   public void moblie()
   {
      Console.WriteLine("laptop stock - 56");
   }
}
class Program
{
   static void Main(string[] args)
   {
      get3 g = new get3();
      g.computer();
      g.laptop();
      g.moblie();
   }
}
```

39. Write a program to get 10 Employee details including name, salary, department and show name and designation whose salary is highest.

```
Ans using System;
namespace 39
  class employee
    string name;
    string department;
    int salary;
    int sum=0;
    private byte salry;
    public void getdata()
       for (int i = 0; i < 10; i++)
         Console.WriteLine("employee name {0}:", i);
         name = Console.ReadLine();
         Console.WriteLine("department
                                            :");
         department = Console.ReadLine();
         Console.WriteLine("salary per month:");
         salary = Convert.ToInt32(Console.ReadLine());
         sum = Math.MaxMagnitude(salary);
  class Program
    static void Main(string[] args)
       employee e = new employee();
       e.getdata();
 }
```

41. Write a program to redefine method logic in child class. (Overloading) Ans using System;

```
namespace _41
{
    class sum
    {
        public void add(int a,int b)
        {
            int c = a + b;
            Console.WriteLine("addtion: "+c);
        }
        public void add(int a,int b, int c)
        {
            int d = a + b + c;
            Console.WriteLine("addtion of three no: "+d);
        }
    }
    class Program
    {
        static void Main(string[] args)
        {
            sum s = new sum();
            s.add(10, 20);
            s.add(10, 20, 30);
        }
    }
}
```

42. Write a program to access private variables outside of class.

Ans using System;

```
namespace _42
{
    class private_var
    {
        private int i = 10;

        public void display()
        {
            Console.WriteLine("private varable = "+i);
        }
    }
}

class Program
    {
        static void Main(string[] args)
        {
            private_var p = new private_var();
            p.display();
        }
     }
}
```

44. What is dictionary? Advantages of Dictionary?

Ans a book that will help to know the meaning of word. There are dictionaries that is help to get the meaning of the word in the same language or the other language. Dictionary help us to know the meaning of words from other language.

45. What is multithread?

Ans Multitasking is the simultaneous execution of multiple tasks or processes over a certain time interval. Windows operating system is an example of multitasking because it is capable of running more than one process at a time like running Google Chrome, Notepad, VLC player, etc. at the same time. The operating system uses a term known as a process to execute all these applications at the same time. A process is a part of an operating system that is

responsible for executing an application. Every program that executes on your system is a process and to run the code inside the application a process uses a term known as a thread.

46. How to prevent class to be instantiate?

Ans There are a few ways prevent instantiation of a class. Let's proceed to dig into this so that my geeks can have an idea of this. Those ways are: Abstract Static Class Private and protected constructor Now jump to Abstract classes first. 1. Abstract An abstract class is the one that is not used to create objects.

47. Create program to replace specific character from string

```
Ans using System;

namespace _47
{
    class Program
    {
        static void Main(string[] args)
        {
            char a='a';
            string str = a.ToString();

            Console.WriteLine(" enter word to convert to string : ");
            a = (char)Convert.ToInt32(Console.ReadLine());
        }
    }
}
```

48. What is mutable and immutable string?

- Ans Mutable string. StringBuilder is a mutable string in C#. With StringBuilder, you can expand the number of characters in the string.
- Example

- Output
- Immutable string. Immutable string is a String in C#. A new memory is created every time. A String cannot be changed once it is created, unlike StringBuilde.
- Example. Steve and Ben are not equal strings.
- 49. Write a program to find factorial of user defined number

```
Ans using System;
namespace 49
class fact
     int f_a=1;
     public void fac()
       Console.WriteLine("Enter Value For Factorial: ");
       f = Convert.ToInt32(Console.ReadLine());
       for (int i = 1; i \le f; i++)
          a = a * i;
          Console.WriteLine("{0}",a);
       Console.WriteLine("factorial: {0}",a);
  class Program
     static void Main(string[] args)
       fact e = new fact();
       e.fac();
```

50. Write a program to sort a numeric array without using array methods.

```
Ans using System;
```

```
using System.Collections.Generic;
class sort_example
{
    static void Main()
    {
        List<int> sort_list = new List<int>();
        sort_list.Add(11);
        sort_list.Add(31);
        sort_list.Add(5);
        sort_list.Add(1);
        sort_list.Add(562);
        sort_list.Add(786);
        sort_list.Add(564);
        sort_list.Add(541);
        System.Console.WriteLine("List Before");
        foreach (int num in sort_list)
        {
            System.Console.WriteLine(num);
        }
        sort_list.Sort();
        System.Console.WriteLine("\n" + "List After" + "\n");
        foreach (int num in sort_list)
```

```
{
        System.Console.WriteLine(num);
}

Console.ReadLine();
}
```

51. What is difference between array and list?

Ans One of the major differences is that List is an interface and ArrayList is a class of Java Collection framework.

The List extends the collection framework, comparatively ArrayList extends AbstractList class and implements the List interface.

The namespace for the List and ArrayList is System.Collection.Generic and System Collection, respectively

52.

53. Get 5 values from user and show maximum value from array

```
Ans using System;

namespace _53
{
    class Program
    {
       static void Main(string[] args)
       {
        int[] arr = new int[5];
        int i, max, min, n;
```

```
// size of the array
       Console.WriteLine("enter the quantity of array number: ");
       n = Convert.ToInt32(Console.ReadLine());
       for (int j = 0; j < n; j++)
         Console.WriteLine("enter value array: "+j);
         arr[j] = Convert.ToInt32(Console.ReadLine());
       }
       max = arr[0];
       min = arr[0];
       for (i = 1; i < n; i++)
         if(arr[i] > max)
            max = arr[i];
         if (arr[i] < min)
            min = arr[i];
       Console. Write("Maximum element = \{0\}\n", max);
       Console. Write("Minimum element = \{0\}\n', min\};
  }
}
```

54. Write a program to define base class with fixed method signature and implement them into derived class. (Abstract Class)

```
Ans using System;

namespace _54

{
    class Program
    {
```

```
abstract class demo
  public abstract void getdata();
  public void showdata()
    Console.WriteLine("showing SHOWDATA");
}
class yas: demo
  public override void getdata()
    Console. WriteLine("showing GETDATA");
static void Main(string[] args)
  yas y = new yas();
  y.getdata();
  y.showdata();
```

57. Write a program to Get 10 random numbers using parent class's constructor and implement one method in derived class to show them in ascending manner.

```
Ans using System;

namespace _57
{

    class ran
    {

    internal int[] a = new int[10];
```

```
public ran()
     for (int i = 0; i < 10; i++)
        Console.WriteLine("Enter NO. {0} value: ", i);
        a[i] = Convert.ToInt32(Console.ReadLine());
     }
   class Yash: ran
     public void show()
        for (int i = 0; i < 10; i++)
          Array.Sort(a);
          Console.WriteLine("the number in order {0} ", a[i]);
     }
}
class Program
   static void Main(string[] args)
     Yash y = new Yash ();
     y.show();
}
```

60. Write a program to show details of 10 products including Product Name, Product Price, Qty to user and provide them ability to make order with qty and show final amount of bill.

```
Ans using System;
namespace 60
  class Program
    static void Main(string[] args)
      int a = 1;
      Console.WriteLine("");
      Console.WriteLine("1. MOBLIE");
      Console.WriteLine("2. LAPTOP");
      Console. WriteLine("3. CAMERA");
      Console.WriteLine("4. WATCH");
      Console.WriteLine("5. SMART WATCH");
      Console.WriteLine("6. KEYBORD");
      Console.WriteLine("7. MOUSE");
      Console. WriteLine("8. HARD DISK");
      Console.WriteLine("9. SSD");
      Console.WriteLine("10. MONITOR");
      Console.WriteLine("");
      Console.WriteLine("enter number");
      a = Convert.ToInt32(Console.ReadLine());
      if(a > 1)
       {
       }
      else
         Console.WriteLine("invalid input");
      Console.WriteLine("");
      Console.WriteLine("")
      switch (a)
```

```
case 1:
  Console. WriteLine("MOBLIE");
  Console.WriteLine("PRIZE = 20,000");
  break;
case 2:
  Console.WriteLine("LAPTOP");
  Console.WriteLine("PRIZE = 50,000");
  break;
case 3:
  Console.WriteLine("CAMERA");
  Console.WriteLine("PRIZE = 70,000");
  break:
case 4:
  Console.WriteLine("WATCH");
  Console.WriteLine("PRIZE = 40,000");
  break;
case 5:
  Console.WriteLine("SMART WATCH");
  Console.WriteLine("PRIZE = 60,000");
  break;
case 6:
  Console.WriteLine("KEYBORD");
  Console.WriteLine("PRIZE = 1,000");
  break;
case 7:
  Console.WriteLine("MOUSE");
  Console.WriteLine("PRIZE = 500");
  break;
case 8:
  Console.WriteLine("HARD DISK");
  Console.WriteLine("PRIZE = 3,000");
  break;
case 9:
  Console.WriteLine("SSD");
  Console.WriteLine("PRIZE = 5,000");
```

```
break;
             case 10:
                Console.WriteLine("MONITOR");
                Console.WriteLine("PRIZE = 5,000");
                break;
          }
      }
  }
61. Create a program to store student's details using Dictionary
Ansusing System;
using System.Collections.Generic;
namespace _61
    class Program
         static void Main(string[] args)
              Dictionary<int, Object> dic = new Dictionary<int, object>();
              dic.Add(1, "yash");
dic.Add(2, "jash");
dic.Add(3, "parth");
dic.Add(4, "vidhan");
dic.Add(5, "vinit");
dic.Add(6, "jemin");
              foreach (var item in dic)
                   Console.WriteLine(item.Key + " : " + item.Value);
                   Console.WriteLine();
              Console.Read();
         }
    }
}
```

62. What is generics? Explain with example

Ans Generics in Java is similar to templates in C++. For example, classes like HashSet, ArrayList, HashMap, etc use generics very well. There are some fundamental differences between the two approaches to generic types. Like C++, we use <> to specify parameter types in generic class creation.

63. What is use of method overriding?

Ans Method Overriding in C# is similar to the virtual function in C++. Method Overriding is a technique that allows the invoking of functions from another class (base class) in the derived class. Creating a method in the derived class with the same signature as a method in the base class is called as method overriding.