Class and Object

Q1-Write a short notes on class and object.

Ans1-

Class-Class is a collection of different type of variable but similar type of object. It is collection of member function and member variable.The variable declared inside a class is known as member variable and a function is known as member function.

Object- Object is a real word entity. It is a run time entities in an object oriented system. They may be place, person, bank accounts etc.Every objects have its some attributes.Object is variable of type class.

Example-

fruit

Mango, banana, orange;

Q2-How the class used in C++, is different from structure used in C programming language?

Answer2-

Structure	Class
Structure is used to store different data type.	Class is a collection of different type of variable but similar type of object
Structure stored variable in different memory location.	Class stored all variable in same memory location.

Q3-Explain class with proper example.

Answer3- Class-Class is a collection of different type of variable but similar type of object. It is collection of member function and member variable.The variable declared inside a class is known as member variable and a function is known as member function.

Example-

```cpp
#include <iostream>

using namespace std;

class shape

 {

   private:

    double length;

    double breadth;

    double height;


   public:

    void intData(double len, double brth, double hgt)

  {

      length = len;

      breadth = brth;

      height = hgt;

   }

   double Area()

  {

      return length * breadth;

   }

   double Volume()

  {

      return length * breadth * height;
```

```cpp
    }

};


int main()

 {

Shape shape1;

shape1.intData(42.5, 30.8, 19.2);


   cout << "Area of shape =  " <<shape1.Area() << endl;

   cout << "Volume of shape=  " <<shape1.Volume() << endl;

   return 0;

}
```