Question 1: Write a C++ Program To Calculate Electricity Bill Of Person using Class.

```
#include<bits/stdc++.h>
using namespace std;

class e_bill
{
    private:
       int c_no;
       char c_name[20];
       int units;
       double bill;
    public:
      void get()
      {
            cin>>c_no;
            cin>>c_name;
            cin>>units;
       }

      void put()
       {
            cout<<"\nCustomer No. is : "<<c_no;
            cout<<"\n\nNumber of Units Consumed : "<<units;
            cout<<"\n\nBill of Customer : "<<bill;
       }

      void calc_bill()
      {
            if(units<=100)
                  bill=units*1.20;
            else if(units<=300)
                  bill=100*1.20+(units-100)*2;
            else
                  bill=100*1.20+200*2+(units-300)*3;
       }
};

int main()
{
   e_bill b1;
   b1.get();
   b1.calc_bill();
```

```
    b1.put();
    cout<<"\n";
    return 0;
}
```

Question 2:

```
 // Program to illustrate the working of
// public and private in C++ Class

#include <iostream>
using namespace std;

class Room {

   private:
    double length;
    double breadth;
    double height;

   public:

    // function to initialize private variables
    void getData(double len, double brth, double hgt) {
        length = len;
        breadth = brth;
        height = hgt;
    }

    double calculateArea() {
        return length * breadth;
    }

    double calculateVolume() {
        return length * breadth * height;
    }
};

int main() {

    // create object of Room class
    Room room1;
```

```
    // pass the values of private variables as arguments
    room1.getData(42.5, 30.8, 19.2);

    cout << "Area of Room =  " << room1.calculateArea() << endl;
    cout << "Volume of Room =  " << room1.calculateVolume() << endl;

    return 0;
}
```