QUES1:An electricity board charges the following rates to domestic users to discourage

large consumption of energy.

For the first 100 units: - 60 P per unit

For the next 200 units: -80 P per unit

Beyond 300 units: -90 P per unit

All users are charged a minimum of Rs 50 if the total amount is more than Rs 300

then an additional surcharge of 15% is added. Implement a C++ program to read the names of users and

number of units consumed and display the charges with names.

**SOURCE CODE:**

#include<iostream>

using namespace std;

class bill

{

    private:

    int unit;

    string name;

    float charges;

    public:

    void setunit(int unit)

    {

        this->unit=unit;

    }

    void setname(string name)

    {

        this->name=name;

    }

    string getname()

    {

        return name;

    }

    void eb()

    {

        if(unit<=100)

        {

          charges=50+(unit\*0.60);

        }

        else if(unit>100 && unit<=300)

        {

            int t=unit%100;

            charges=(50+(100\*0.60)+(t\*0.80));

        }

        else

        {

            int t=unit%300;

            charges=(50+(100\*0.60)+(200\*0.80)+(t\*0.90));

        }

        if(charges>300)

        {

            charges=charges+(charges\*0.15);

        }

    }

    void show()

    {

        cout<<unit<<endl<<name<<endl<<charges;

    }

};

int main()

{

    bill d;

    d.setunit(430);

    d.setname("manya");

    d.eb();

    d.show();

}

**OUTPUT:**

