Program ElectricBill:

using System;

public class ElectricBill

{

public double units;

public ElectricBill()

{

units = 30;

}

public ElectricBill(double unit)

{

units = unit;

}

public double getUnits {get;}

public void CalculateBill()

{

Console.WriteLine("The Bill(only for meter) is: " + units\*5);

}

}

class Residential : ElectricBill

{

public Residential(double unit)

{

units = unit;

}

public void CalculateBill()

{

double bill;

if (units < 0)

{

Console.WriteLine("The units are not readable");

return;

}

if (units > 0 & units <= 100)

{

bill = units\*5;

}

else if (units > 100 & units <= 200)

{

bill = units\*17;

}

else if (units > 200 & units <= 500)

{

bill = units\*23;

}

else

{

bill = units\*69;

}

bill = bill + bill\*0.13;

Console.WriteLine("The (residential)Bill for electricity is: " + bill);

}

}

class Commercial : ElectricBill

{

public Commercial(double unit)

{

units = unit;

}

public void CalculateBill()

{

double bill;

if (units < 0)

{

Console.WriteLine("The Units are not readable");

return;

}

else if (units > 0 & units <= 100)

{

bill = units\*8;

}

else if(units > 100 & units <= 200)

{

bill = units\*21;

}

else if (units > 200 & units <= 500)

{

bill = units\*23;

}

else

{

bill = units\*79;

}

bill = bill + bill\*0.17;

Console.WriteLine("The (commercial)Bill for electricity is: " + bill);

}

}

public class HelloWorld

{

public static void Main(string[] args)

{

Residential R1 = new Residential(50);

R1.CalculateBill();

Commercial C1 = new Commercial(50);

C1.CalculateBill();

}

}