

Question No-18:

//Program to calculate the amount of electric current used by the customer

```
#include<stdio.h>
```

```
int main()
```

```
{
```

```
    float charge,id,units,bill,surcharge,totamt;
```

```
    id=units=charge=bill=surcharge=totamt=0;
```

```
    char name[50];
```

```
    printf("Customer IDNO:");
```

```
    scanf("%f",&id);
```

```
    printf("Customer Name :");
```

```
    fflush(stdin);
```

```
    scanf("%[^\n]",&name);
```

```
    printf("Units Consumed :");
```

```
    scanf("%f",&units);
```

```
    if(units<=199)
```

```
    {
```

```
        charge=1.20;
```

```
        bill=units*charge;
```

```
        totamt=bill;
```

```
    }
```

```
    else
```

```
        if(units>=200&&units<400)
```

```
    {
```

```
        charge=1.50;
```

```
        bill=units*charge;
```

```
        if(bill>400)
```

```
            surcharge=bill*0.15;
```

```
            totamt=bill+surcharge;
```

```

}
else
    if(units>=400&&units<600)
    {
        charge=1.80;
        bill=units*charge;
        surcharge=bill*0.15;
        totamt=bill+surcharge;
    }
else
    if(units>=600)
    {
        charge=2.00;
        bill=units*charge;
        surcharge=bill*0.15;
        totamt=bill+surcharge;
    }
//amount charges=bill
printf("\nbill is %.2f",bill);
printf("\nSurcharge Amount : %.2f",surcharge);
printf("\nNet Amount paid by the Customer is %.2f",totamt);
return 0;
}

```

```

C:\Users\hp\lab.c\018_current X
Customer IDNO:1001
Customer Name :James
Units Consumed :800

bill is 1600.00
Surcharge Amount : 240.00
Net Amount paid by the Customer is 1840.00
Process returned 0 (0x0)   execution time : 10.774 s
Press any key to continue.

```