

```
/*
```

Name: AGER STEPHEN

Reg: PA106/G/28778/25

Description: c function for electric bill

```
*/
```

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

```
float calculate_electric_bill(float units);
```

```
void main()
```

```
{
```

```
    float bill, units;
```

```
    printf("Enter the number of units: ");
```

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

```
bill = calculate_electric_bill(units);
```

```
printf("your bill is: %.2f ", bill);
```

```
}
```

```
float calculate_electric_bill(float units)
```

```
{
```

```
    float total_amount;
```

```
if (units<=100){

    total_amount =(units * 10);

}

else if (units<=200) {

    total_amount = (100 *10) + ((units-100) * 15);

}

else if(units>200){

    total_amount = (100 * 10) + (100 * 15) + ((units-200) * 20);

}

return total_amount;

}
```