

Program Number: 2

Title : Electricity Bill preparation.

Aim: Generate Electricity Bill

Algorithm:

- 1.start
- 2.Input unit consumed by user, .
3. If $\text{unit} \leq 100$, Then $\text{amount} = \text{unit} * 1$ Rs
- 4.If $\text{unit} > 100$ AND $\text{unit} \leq 300$, Then $\text{amount} = 100 + ((\text{unit} - 100) * 2)$ Rs.
- 5.If $\text{unit} > 300$, Then $\text{amount} = 100 + 400 + (\text{unit} - 300) * 3$ Rs.
6. Print the amount
7. End

Program:

```
/*
  Title : Electricity Bill preparation.
  Done by : Deepak M S
  Aim: Generate Electricity Bill
*/

#include<stdio.h>
#include<string.h>

int main(){
    //declaration of variables
    int unit,amount;

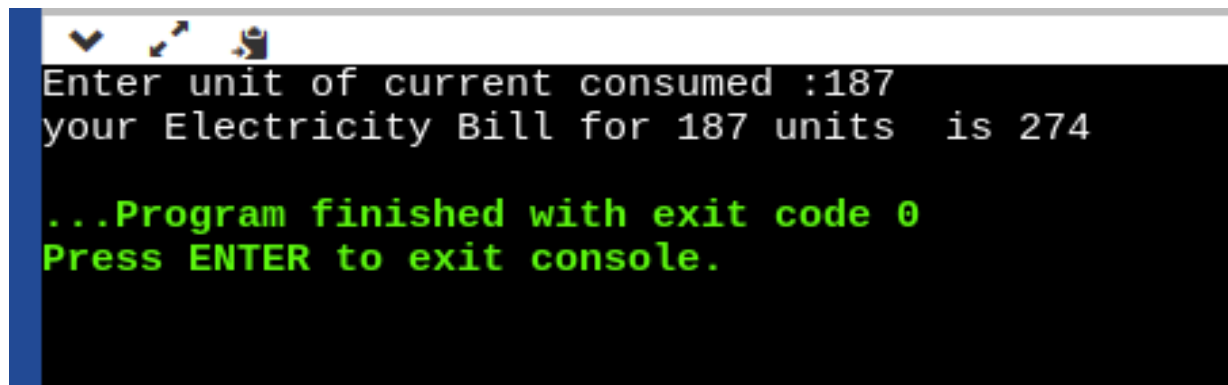
    //get unit of current used
    printf("Enter unit of current consumed :");
    scanf("%d",&unit);

    //check and calculate amount
    if(unit<=100){
        amount = unit * 1;
    }else if(unit>100 && unit <=300){
        amount = 100 + ((unit - 100)*2);
    }else{
        amount = 100+400 +( (unit-300) * 3);
    }
}
```

```
// print Bill
printf("your Electricity Bill for %d unit is %d",unit,amount);

}
```

Output:

A screenshot of a terminal window with a black background and white text. The text shows the program's execution: it prompts for the unit of current consumed, receives the input '187', and outputs 'your Electricity Bill for 187 units is 274'. Below this, a green message states '...Program finished with exit code 0' and 'Press ENTER to exit console.' The terminal has a blue vertical bar on the left and a grey title bar at the top with standard window icons.

```
Enter unit of current consumed :187
your Electricity Bill for 187 units is 274

...Program finished with exit code 0
Press ENTER to exit console.
```

Result: Program successes. Able to calculate the current bill