

QUESTION

Write a C program to input current reading and previous reading of electric power consumption and calculate the electricity bill unit charge and the total electricity bill according to the given condition:

<u>Units</u>	<u>Rate/unit</u>
For first 50 units	- Rs 0.50
For next 100 units	- Rs 0.75
For next 100 units	- Rs 1.20
For unit above 250	- Rs 1.50

CODE

```
main.c
9  #include <stdio.h>
10 void main()
11 {
12     int CR,PR,unit; float amt;
13     printf("Enter Current Reading : ");
14     scanf("%d",&CR);
15     printf("Enter Previous Reading : ");
16     scanf("%d",&PR);
17     unit=CR-PR;
18     if(unit<=50)
19     {
20         amt=unit*0.50;
21     }
22     else if(unit<=150)
23     {
24         amt=25+((unit-50)*0.75);
25     }
26     else if(unit<=250)
27     {
28         amt=100+((unit-150)*1.20);
29     }
30     else
31     {
32         amt=220+((unit-250)*1.50);
33     }
34     printf("Total Electricity Bill = Rs %f",amt);
35 }
```

OUTPUT

```
Enter Current Reading : 5000
Enter Previous Reading : 4270
Total Electricity Bill = Rs 940.000000
```