

EHB 110E - Introduction to Scientific and Engineering Computing (C)

Homework-1

Assignment Date : 02.11.2020
Due Date : 09.11.2020 at 18:00
Duration : 1 week

Write a C program to do the followings.

- Ask user to enter an electricity consumption amount (integer) of a customer.
- If user enters an invalid amount (zero or negative), then program should display a warning message and stop.
- The total bill should be calculated according to the unit prices (float) below.
- If the total bill exceeds 800 TL, then a surcharge of 3% (of the bill) should be charged as an extra payment. Program should display an informative message about the surcharge.

Consumption Amount (Kwh)	Unit Price (Kwh /TL)
$X < 200$	1.50
$200 \leq X < 350$	1.70
$350 \leq X < 500$	1.80
$500 \leq X$	2.00

EXAMPLE SCREEN OUTPUT

(User input is shown in red color.)

```
Enter consumption amount : 470

Total bill is : 846.000000 TL
Surcharge is : 25.380000 TL
Total bill with surcharge is : 871.380000 TL
```