**Programming Fundamentals**

**Assignment 1**



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**Exercise 1:**

**Write a program to calculate the electricity bill. The rates of electricity per unit are as follow:**

**If the units consumed are equal or less than 300, then the cost is Rs. 3/- per unit. If units consumed are more than 300, then the cost is Rs. 3.5/- per unit and surcharge of 5% of bill is added.**

#include<stdio.h>

int main()

{

float units\_consumed ;

float rate;

float surcharge;

float bill;

float total\_bill;

printf("Number of units consumed : ");

scanf("%f", &units\_consumed);

if(units\_consumed <= 300) {

rate = 3;

surcharge = 0;

}

else if(units\_consumed > 300) {

rate = 3.5;

surcharge = 5;

}

bill = units\_consumed \* rate ;

total\_bill = bill + (surcharge/100) \* bill;

printf("The total bill is %.2f",total\_bill);

return 0;

}