



Electrical & Electronic Engineering

UNIVERSITY OF LIBERAL ARTS BANGLADESH

Course Code:CSE 1201

Course Title: Structured Programming

Assignment: 02

Section: 01

Submitted to:

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Code:

```
#include<stdio.h>
int main(){
char usertype;
float consumption,bill=0,tex=0,totalbill=0;

printf("Enter UserType(H for household AND C for commercial): ");
scanf("%c", &usertype);
printf("Enter Water Consumption in Liters: ");
scanf("%f", &consumption);

if(consumption <= 5000){
    bill = consumption*0.10;
}
else if(consumption <= 20000){
    bill = (5000*0.10)+((consumption-5000)*0.15);
}
else{
    bill = (15000*0.15) + (5000*0.10) + ((consumption-20000)*0.25);
}

if(usertype=='C'){
    tex = bill * 0.25;
    totalbill = bill + tex;
}
else if(usertype=='H'){
    totalbill = bill;
}
else{
    printf("!!INVALID CHOICE GO AGAIN!!");
}

printf("--Summary--\n");
printf("User Type: %c\n", usertype);
printf("Water Consumption: %f\n", consumption);
printf("Base Bill: %f\n", bill);
printf("TEX: %f\n", tex);
printf("Total Bill: %f\n", totalbill);

return 0;
}
```

```
"C:\Users\user\Desktop\test\  × + ▾
Enter UserType(H for household AND C for commercial): H
Enter Water Consumption in Liters: 25000
--Summary--
User Type: H
Water Consumption: 25000.000000
Base Bill: 4000.000000
TEX: 0.000000
Total Bill: 4000.000000

Process returned 0 (0x0)   execution time : 15.644 s
Press any key to continue.
|
```

```
"C:\Users\user\Desktop\test\  × + ▾
Enter UserType(H for household AND C for commercial): C
Enter Water Consumption in Liters: 56000
--Summary--
User Type: C
Water Consumption: 56000.000000
Base Bill: 11750.000000
TEX: 2937.500000
Total Bill: 14687.500000

Process returned 0 (0x0)   execution time : 15.588 s
Press any key to continue.
```