

## **ELECTRICITY BILL GENERATION**

### **DOMESTIC SLAB SYSTEM**

<b><u>UNITS</u></b>	<b><u>UNITS PRICE</u></b>
<b>1-50</b>	<b>1.45</b>
<b>51-100</b>	<b>2.80</b>
<b>101-200</b>	<b>3.05</b>
<b>201-300</b>	<b>4.75</b>
<b>301-500</b>	<b>6.00</b>
<b>&gt;500</b>	<b>6.25</b>

**30 UNITS →  $30 \times 1.45 = 43.5$**

**80 UNITS →  $50 \times 1.45 + 30 \times 2.8 = 156.5$**

**180 →  $50 \times 1.45 + 50 \times 2.8 + 80 \times 3.05 = 456.5$**

**280 →  $50 \times 1.45 + 50 \times 2.8 + 100 \times 3.05 + 80 \times 4.75 = 897.5$**

**380 →  $50 \times 1.45 + 50 \times 2.8 + 100 \times 3.05 + 100 \times 4.75 + 80 \times 6 = 1472.5$**

**580 →  $50 \times 1.45 + 50 \times 2.8 + 100 \times 3.05 + 100 \times 4.75 + 200 \times 6 + 80 \times 6.25 = 2692.5$**

**`#include<stdio.h>`**

**`#include<conio.h>`**

**`void main()`**

**`{`**

**`long serno, pre, cur, units;`**

```
char name[20];

float amt;

clrscr();

printf("Enter service no "); scanf("%ld",&serno);

printf("Enter consumer name "); scanf("%s",name);

printf("Enter previous month reading "); scanf("%ld",&pre);

current:

printf("Enter current month reading "); scanf("%ld",&cur);

if(cur<pre) {puts("\aCheck current month reading"); goto
current;}

units = cur - pre;

if(units<=50) amt = units * 1.45;

else if(units<=100) amt = 50*1.45 + (units-50)*2.8;

else if(units<=200) amt = 50*1.45 + 50*2.8 + (units-100) * 3.05;

else if(units<=300) amt = 50*1.45 + 50*2.8 + 100*3.05+(units-
200)*4.75;

else if(units<=500) amt =
50*1.45+50*2.8+100*3.05+100*4.75+(units-300)*6;
```

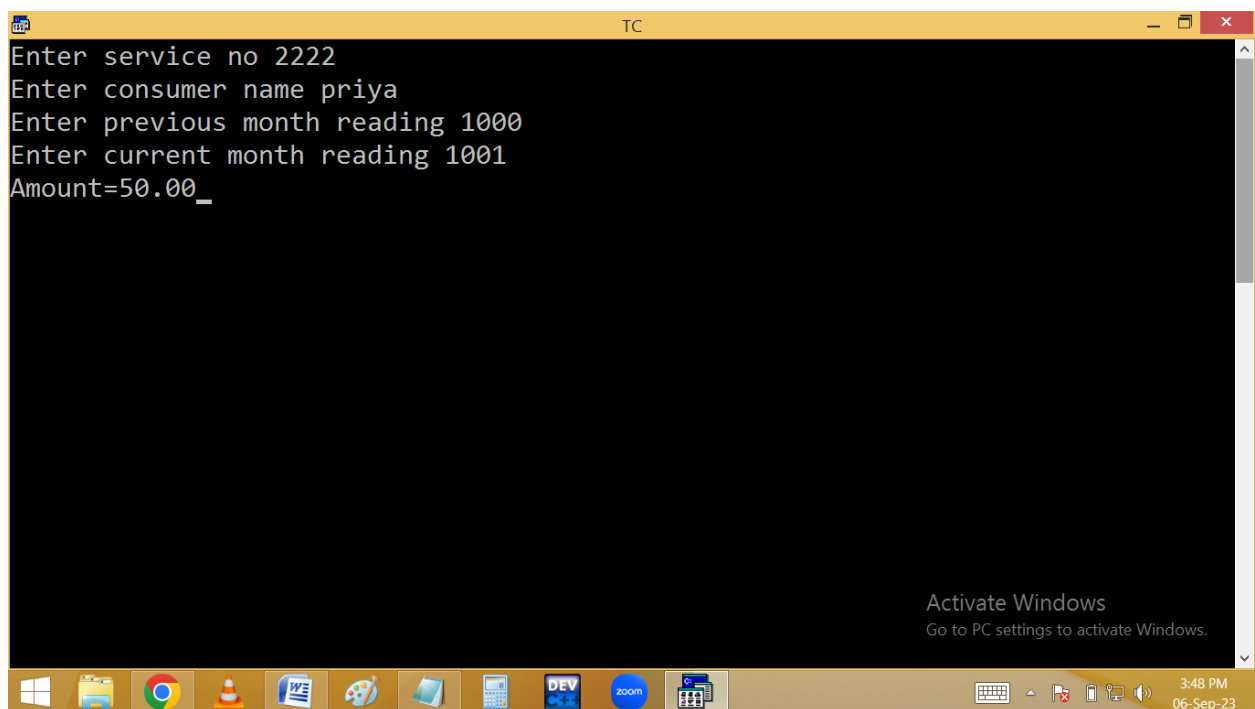
```
else amt=50*1.45+50*2.8+100*3.05+100*4.75+200*6+(units-500)*6.25;
```

```
if(amt<50) amt=50;
```

```
printf("Amount=%.2f",amt);
```

```
getch();
```

```
}
```



The screenshot shows a Turbo C++ (TC) window titled "TC" with a black background and white text. The text displays the execution of a program where the user enters service number 2222, consumer name priya, previous month reading 1000, and current month reading 1001. The program then outputs "Amount=50.00\_". The Windows taskbar is visible at the bottom with various application icons and a system clock showing 3:48 PM on 06-Sep-23. An "Activate Windows" watermark is present in the bottom right corner of the window.

```
Enter service no 2222
Enter consumer name priya
Enter previous month reading 1000
Enter current month reading 1001
Amount=50.00_
```

