

C Program to calculate Electricity Bill using 'if' statement . How does this program work?

This code helps to calculate Electricity Bill using 'if' statement. Here is the code.

## //Electricity Bill Program

```
#include <stdio.h>

int main(void)
{
    int Meternum, Unit, Type, s;
    float bill;

    printf("Enter Current Meter Number\n");
    scanf("%d", &Meternum);

    if (Meternum == 1234)
    {
        printf("Choose Category\n");
        printf("1-Agriculture\n2-Residential\n3-Commercial\n");
        scanf("%d", &Type);

        if (Type == 1)
        {
            printf("Enter Number of units consumed\n");
            scanf("%d", &Unit);

            s = 20;

            if (Unit > 0 && Unit < 50)
            {
                bill = (Unit * 0.25) + s;
            }
        }
    }
}
```

```
else

if(Unit>=50&&Unit<150)

{

bill=(Unit*0.55)+s;

}

else

if(Unit>=150&&Unit<300)

{

bill=(Unit*0.80)+s;

}

else

if(Unit>=300&&Unit<500)

{

bill=(Unit*1)+s;

}

else

if(Unit>=500 && Unit<1000)

{

bill=(Unit*2.5)+s;

}

else

printf("invalid Units\n");

printf("Current meter Number is : %d \n", Meternum);

printf("Number of units consumed : %d\n", Unit);

printf("Selected catageory is : %d\n", Type);

printf("Your bill amount is : %.2f\n", bill);

}
```

```
else

if(Type==2)

{

printf("Enter Number of units consumed\n");

scanf("%d",&Unit);

s=35;

if(Unit>0&&Unit<50)

{

bill=(Unit*1.35)+s;

}

else

if(Unit>=50&&Unit<150)

{

bill=(Unit*2.15)+s;

}

else

if(Unit>=150&&Unit<300)

{

bill=(Unit*3)+s;

}

else

if(Unit>=300&&Unit<500)

{

bill=(Unit*3.5)+s;

}

else

if(Unit>=500 && Unit<1000)
```

```

{
bill=(Unit*6)+s;
}

else

printf("invalid Units\n");

printf("Current meter Number is : %d \n", Meternum);

printf("Number of units consumed : %d\n", Unit);

printf("Selected catageory is : %d\n", Type);

printf("Your bill amount is : %.2f\n", bill);

}

else

if(Type==3)

{

printf("Enter Number of units consumed\n");

scanf("%d",&Unit);

s=65;

if(Unit>0&&Unit<50)

{

bill=(Unit*3)+s;

}

else

if(Unit>=50&&Unit<150)

{

bill=(Unit*4.5)+s;

}

else

if(Unit>=150&&Unit<300)

```

```
{  
bill=(Unit*5.5)+s;  
}  
else  
if(Unit>=300&&Unit<500)  
{  
bill=(Unit*6.8)+s;  
}  
else  
if(Unit>=500 && Unit<1000)  
{  
bill=(Unit*9)+s;  
}  
else  
printf("Invalid Units\n");  
printf("Current meter Number is : %d \n", Meternum);  
printf("Number of units consumed : %d\n", Unit);  
printf("Selected catageory is : %d\n", Type);  
printf("Your bill amount is : %.2f\n", bill);  
}  
else  
printf("Wrong choice");  
}  
else  
printf("Wrong pin number");  
}
```