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Q.1 Write a Program to check whether a number is even or odd using the ternary operator.
For example,
Input:
Enter any number: 12
Output:
This number is Even.
Ans:
/ Online C compiler to run C program online
#include <stdio.h>
int main() {
  int number;
  printf("enter any number :");
  scanf("%d",&number);
  (number%2==0)?printf("this number is even",number):printf("this number is odd",number);
  return 0;
}
o/p;
enter any number:12
this number is even
=== Code Execution Successful ===
Q.2 Write a Program to input electricity unit charges and calculate the total electricity bill according
to the given condition:
For the first 50 units Rs. 0.50/unit
For the next 100 units Rs. 0.75/unit
For the next 100 units Rs. 1.20/unit
For units above 250 Rs. 1.50/unit
An additional surcharge of 20% is added to the bill.
For example,
Input:
Enter electricity units: 435
```

Output:

Electricity Bill = Rs. 597.00

```
Ans:
```

```
// Online C compiler to run C program online
#include <stdio.h>
int main() {
  int units;
  float bill=0;
  printf("enter the electricity units:");
  scanf("%d",&units);
  if (units<=50){
    bill = units*0.50;
    }else if(units<150){
       bill = 50*0.50+(units - 50)*0.75;
  }else if (units<=250){
    bill = 50*0.50+100*0.75+(units-150)*1.20;
  }else{
    bill=50*0.50+100*0.75+100*1.20+(units-250)*1.50;
    bill*=1.20;
    //add 20%surcharge;
    printf("electricity bill charge=Rs.%.2f\n",bill);
  }
  return 0;
}
o/p:
enter the electricity units:435
electricity bill charge=Rs.597.00
=== Code Execution Successful ===
```