```python
In [12]:   #wap to calculate the electricity except yhe number of units from user
           units=int(input("Enter Units."))
           amount=0
           if units<=100:
               amount=0
           if units>100 and units<=200:
               amount=(unit-100)*5
           if units>200:
               amount=(100*5)+(units-200)*10
           print("Your amount is :",amount)
```

```
Enter Units.2326
Your amount is : 21760
```

```python
In [14]:   #WAP to to check wethre the entered num is three num or not.if it is a three digit num then display the middle di
           a=int(input("Enter Number."))
           temp=0
           l=0
           for i in str(a):
               l+=1
           if l==3:
               print("Given number is a three digit number and the middle digit is :",(a%100)//10)
           else:
               print("Enter three digit number only.")
```

```
Enter Number.132
Given number is a three digit number and the middle digit is : 3
```

```python
In [15]:   #Write a program to accept the age,gender and nuber of days and display the wages according the table if age does
           #range then display Enter appropriate age
           age=int(input("Ener age. :"))
           n=int(input("Enter numer of days. :"))
           gender=input("Enter Gender. :")
           wage=0
           if age>=18 and age<30:
               if gender=="Male":
                   wage=n*700
               if gender=="Female":
                   wage=n*750
           elif age>=30 and age<40:
               if gender=="Male":
                   wage=n*800
               if gender=="Female":
                   wage=n*850

           else:
               print("Enter appropriate age")
           print("Your wage is :",wage)
```

```
Ener age. :21
Enter numer of days. :253
Enter Gender. :Male
Your wage is : 177100
```

```python
In [16]:   #WAP to find sum of n numbers also find the average.
           n=int(input("Enter number :"))
           m=0
           avg=0
           for i in range(n+1):
               m=m+i
           avg=m/n
           print=("SUM :",m)
           print=("AVG :",avg)
```

```
Enter number :3
```

```python
In [1]:    #WAP to enter three numbers and check how manu numbers available between first two number then are divisible by t
           a1=int(input("Enter num :"))
           a2=int(input("Enter num :"))
           a3=int(input("Enter num :"))
           temp=0
           n=0
           for i in range(a1,a2+1):

               if i%a3==0:
                   temp+=1
           print("Divisible by third number are :",temp)
```

```
Enter num :21
Enter num :26
Enter num :1
Divisible by third number are : 6
```

In [2]:
```python
#wap to print multiplication table accept from the user.
a=int(input("Enter num. :"))
for i in range(1,11):
    print(a," * ",i," = ",(a*i))
```

```
Enter num. :53
53  *  1  =  53
53  *  2  =  106
53  *  3  =  159
53  *  4  =  212
53  *  5  =  265
53  *  6  =  318
53  *  7  =  371
53  *  8  =  424
53  *  9  =  477
53  *  10  =  530
```

In [6]:
```python
#WAP factorial of num.
n=int(input("Enter number. :"))
i=1
fact=1
if n<0:
    print("Enter positive number.")
else:
    while i!=n+1:
        fact=fact*i
        i=i+1
print(fact)
```

```
Enter number. :5
120
```

In [4]:
```python
#WAP to display fibonnachi sequence up to n terms.
n=int(input("Enter num."))
a=0
b=1
n1=0
if n<0:
    print("enter positive num.")
elif n==0:
    print("no terms.")
elif n==1:
    print(n1)
else:
    print("Finbonnaci seq. :")
    print(a)
    print(b)
    for i in range(n-2):
        n1=a+b
        print(n1)
        a=b
        b=n1
```

```
Enter num.12
Finbonnaci seq. :
0
1
1
2
3
5
8
13
21
34
55
89
```

In [5]:
```python
#WAP to take 10 num from user and print them sum and avg.
sum=0
avg=0
for i in range(1,11):
```

```
        a1=int(input("enter num."))
        sum=sum+a1
    print("SUM :",sum)
    avg=sum/10
    print("AVG :")
```

```
enter num.12
enter num.25
enter num.25
enter num.2354
enter num.26
enter num.3
enter num.5
enter num.26
enter num.225
enter num.225
SUM : 2926
AVG : 292.6
```

In [6]:
```python
sume=0
avg=0
counte=0
counto=0
sumo=0
for i in range(1,11):
    a1=int(input("enter num."))
    if a1%2==0:
        sume+=a1
        counte+=1
    else:
        sumo+=a1
        counto+=1
print("Even count :",counte," Even sum :",sume)
print("Odd count :",counto," Odd sum :",sumo)
```

```
enter num.12
enter num.26
enter num.44
enter num.55
enter num.25
enter num.15
enter num.154
enter num.265
enter num.5296
enter num.25
Even count : 5  Even sum : 5532
Odd count : 5  Odd sum : 385
```

In [11]:
```python
#WAP to reversr the num enterd by user.
a=int(input("Enter number. :"))
temp=0
b=0
while a!=0:
    digit=a%10
    b=b*10+digit
    a=a//10
print(b)
```

```
Enter number. :362
263
```

In [9]:
```python
a=int(input("Enter number. :"))
temp=a
b=0
while temp!=0:
    digit=temp%10
    b=b*10+digit
    temp=temp//10
print(b)
if b==a:
    print("Number is pelindrom.")
else:
    print("Numer is not pelindrom.")
```

```
Enter number. :121
121
Number is pelindrom.
```

In [ ]: