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In [35]: # Task 1: Write a program to calculate the factorial of a number using a for loop.
value = int(input("Enter Value : "))
if value == 0 :
    print("Factorail is 1")
else :
    fac = 1
    for i in range(1 , value + 1) :
        fac = fac * i
    print("Factorail is :",fac)
```

Factorail is : 120

```
In [59]: # Task 2:Write a program to print this shape using for loop:
# * * * * *
# * * * *
# * * *
# * *
# *
# *

leng = int(input("Enter length : "))
for i in range(leng , 0 , -1) :
    print("* " * i)
```

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* * * * *
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```

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In [60]: # Task 3: List Iteration:
# Iterate through a List of names and print each name using a for loop.
print("Enter stop to stop inserting in list")
names = []
while True :
    name = input("Enter Name : ")
    if name == "stop" :
        break
    else :
        names.append(name)
for i in names :
    print(i)
```

Enter stop to stop inserting in list

Ali
hassan
Hussain
Fatima
Muhammad

```
In [54]: # Task 4: Write a for loop to calculate the sum of all the elements in a list of numbers
print("Enter -1 to stop inserting in list")
number = []
```

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while True :
    num = int(input("Enter Number : "))
    if num == -1 :
        break
    else :
        number.append(num)
total = 0
for i in number :
    total = total + i
print("Sum : ",total)

```

Enter -1 to stop inserting in list

Sum : 15

In [51]: *# Task 5: Write a program to display all the numbers which is divisible by 11 but not*

```

for i in range(100 , 501) :
    if (i % 11 == 0) and (i % 2 != 0) :
        print(i)

```

121
143
165
187
209
231
253
275
297
319
341
363
385
407
429
451
473
495

In [57]: *# Task 6:Write a program to find even numbers from a list (without builtin function),*

```

print("Enter -1 to stop inserting in list")
number = []
while True :
    num = int(input("Enter Number : "))
    if num == -1 :
        break
    else :
        number.append(num)
total = 0
for i in number :
    if i % 2 == 0 :
        print("Even number in list : ",i)

```

Enter -1 to stop inserting in list

Even number in list : 2
Even number in list : 4
Even number in list : 6
Even number in list : 8
Even number in list : 66
Even number in list : 34

In []: