1. Write a python script to calculate sum of first N natural numbers.

```
sum=0
for x in range(int(input("enter the number "))):
    sum=sum+(x+1)
print(sum)
```

2. Write a python script to calculate sum of squares of first N natural numbers.

```
sum=0
for x in range(int(input("enter the number "))):
    sum=sum+(x+1)**2
print(sum)
```

3. Write a python script to calculate sum of cubes of first N natural numbers.

```
sum=0
for x in range(int(input("enter the number "))):
    sum=sum+(x+1)**2
print(sum)
```

4. Write a python script to calculate sum of first N odd natural numbers.

```
sum=0
for x in range(1,int(input("enter the number "))):
    sum=sum+(2*x-1)
print(sum)
```

5. Write a python script to calculate sum of first N even natural numbers.

```
sum=0
for x in range(int(input("enter the number "))):
    sum=sum+(2*(x+1))
print(sum)
```

6. Write a python script to calculate factorial of a given number.

```
fact=1
for x in range(int(input("enter the number ")),0,-1):
    fact=fact*(x)
print(fact)
```

7. Write a python script to count digits in a given number.

```
n=int(input("enter the number "))
count=0
while n!=0:
```

```
z=n\%10
  count+=1
  n=n//10
print(count)
8. Write a python script to calculate sum of digits of a given number.
n=int(input("enter the number "))
count=0
a=0
while n!=0:
  z=n\%10
  count=count+z
  n=n//10
print(count)
9. Write a python script to print binary equivalent of a given decimal number. (do not
use bin() method).
x=int(input("enter a no "))
bin="
while x!=0:
  r=x\%2
  x=x//2
  bin=str(r)+bin
print(bin)
10. Write a python script to print the octal equivalent of a given decimal number. (do not
use oct() method).
x=int(input("enter a no "))
bin="
while x!=0:
  r = x\%8
  x = x//8
  bin=str(r)+bin
```

print(bin)