print sum of n numbers, input n numbers from keyboard

```python
n=int(input("How Many Numbers?")) # 5
s=0
while n>0:
    num=int(input("Enter any number")) # 10 20 30

    s=s+num
    n=n-1

print(f'Sum is {s}')
```

Output:
How Many Numbers?5
Enter any number10
Enter any number20
Enter any number30
Enter any number40
Enter any number50
Sum is 150

Example:
```python
# Print 1 to 10 numbers

num=1 # init statement
while num<=10: # Condition
    print(num)
    num=num+1 # Update

# Print 10 to 1
num=10
while num>=1:
    print(num)
    num=num-1

# Print SQR's number from 1 to 5
num=1
while num<=5:
    print(num**2)
    num=num+1
```

Output:

1
2
3
4
5
6
7
8
9
10
10
9
8
7
6
5
4
3
2
1
1
4
9
16
25

Example:
 # Write a program to find factorial of input number

```
num=int(input("Enter any number")) #3
fact=1
while num>0:
    fact=fact*num
    num=num-1

print(f'Factorial is {fact}')
```

Output:
Enter any number3
Factorial is 6

Enter any number0
Factorial is 1

Example:
Write a to find length of number or count digits

```
num=int(input("Enter any number")) # 456
c=0
while num>0:
    c=c+1
    num=num//10

print(f'Count of Digits {c}')
```

Output:
Enter any number2346
Count of Digits 4

Enter any number12
Count of Digits 2

Example:
Write a program to print sum of digits

```
num=int(input("Enter any number")) # 12
s=0

while num>0:
    r=num%10
    s=s+r
    num=num//10

print(f'Sum of Digits {s}')
```

Output:

Enter any number12
Sum of Digits 3

Enter any number4789
Sum of Digits 28

Example:
```
# Write a program to input number and
# find sum of digits,digit must be even number


num=int(input("Enter any number"))
s=0

while num>0:
    dig=num%10
    if dig%2==0:
       s=s+dig
    num=num//10

print(f'Sum is {s}')
```

Output:
Enter any number123
Sum is 2

Enter any number1446
Sum is 14

Example:
```
# Write a program to find last digit of number is
# divisible with 3 or not

num=int(input("Enter any number "))
dig=num%10
if dig%3==0:
    print("divisible")
else:
    print("not divisible")
```

Output:
Enter any number 146
divisible

Enter any number 145
not divisible

Example:
Write a program to reverse number

123 --> 321

```
num=int(input("Enter any number"))
num1=num
rev=0

while num>0:
    dig=num%10 # 3 2 1
    rev=(rev*10)+dig
    num=num//10

print(rev)
if num1==rev:
    print("pal")
else:
    print("not pal")
```

Output:
Enter any number121
121
pal

Enter any number123
321
not pal

Example:
Write a program to find input number is armstrong

```
num=int(input("Enter 3 digit number"))
```

```python
num1=num

s=0
while num>0:
    dig=num%10
    s=s+(dig**3)
    num=num//10

if s==num1:
    print("armstrong")
else:
    print("not armstrong")
```

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