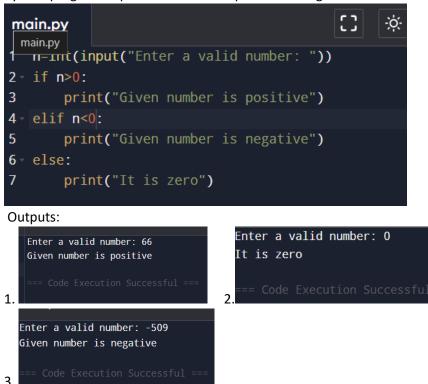# 18-08-25 Python Assignment:

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1) Python program to print the number s positive or negative:

```python
n=int(input("Enter a valid number: "))
if n>0:
    print("Given number is positive")
elif n<0:
    print("Given number is negative")
else:
    print("It is zero")
```

Outputs:

```
Enter a valid number: 66
Given number is positive

=== Code Execution Successful ===
```
1.

```
Enter a valid number: 0
It is zero

=== Code Execution Successful
```
2.

```
Enter a valid number: -509
Given number is negative

=== Code Execution Successful ===
```
3.

2) Python program to check given number is even or odd:

```python
n=int(input("Enter a valid number: "))
if n%2==0:
    print("Given number is Even")
else:
    print("It is Odd number")
```

```
Enter a valid number: 44
Given number is Even

=== Code Execution Successful ==
```

3) Python program to print sum of first numbers:

```python
n=int(input("enter a valid integer: "))
s=0
for i in range (1,n+1):
    s+=i
print("The sum of first %d numbers is : %d"%(n,s))
```

```
enter a valid integer: 9
The sum of first 9 numbers is : 45

=== Code Execution Successful ===
```

4) Python program to print sum of numbers in a given range:

```
1  n1=int(input("starting range Limit: "))
2  n2=int(input("Ending range limit: "))
3  s=0
4  for i in range(n1,n2+1):
5      s+=i
6  print("The sum of numbers in a given range is: %d"%s)
7
```

Output:
```
starting range Limit: 2
Ending range limit: 6
The sum of numbers in a given range is: 20

=== Code Execution Successful ===
```

(OR)

```
1  n1=int(input("starting range Limit: "))
2  n2=int(input("Ending range limit: "))
3  s=((n2*(n2+1)/2)-(n1*(n1+1)/2)+n1)
4  s=int(s)
5  print("The sum of numbers in a range is : %d"%s)
```

Output:
```
starting range Limit: 2
Ending range limit: 6
The sum of numbers in a range is : 20

=== Code Execution Successful ===
```