

```
In [4]: #Python program to find smallest number in a list
List_A=[5,2,4,1,8]
print(min(List_A))
```

1

```
In [ ]:
```

```
In [5]: #Python program to find Largest number in a List
List_A=[5,2,4,1,8]
print(max(List_A))
```

8

```
In [ ]:
```

```
In [2]: #Python program to find second largest number in a list
n=int(input("Enter the number of elements to be inserted: "))
lst = []
for i in range(0,n):
    num = int(input('Enter a number : '))
    lst.append(num)
lst.sort()
print('Second highest number : ',lst[-2])
```

Enter the number of elements to be inserted: 6

Enter a number : 4

Enter a number : 8

Enter a number : 3

Enter a number : 9

Enter a number : 45

Enter a number : 26

Second highest number : 26

```
In [ ]:
```

```
In [6]: #Python program to find N Largest elements from a list
numbers = [5, 2, 9, 1, 5, 6]
N = 3 # Number of largest elements to find
largest = sorted(numbers)[-N:]
print("The", N, "largest elements are:", largest)
```

The 3 largest elements are: [5, 6, 9]

```
In [ ]:
```

```
In [7]: #Python program to print even numbers in a list
numbers = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]

# Using a for Loop to iterate through the list
print("Even numbers in the list:")
for num in numbers:
    if num % 2 == 0:
        print(num)
```

Even numbers in the list:

2

4

6

8

10

In [ ]:

```
In [8]: #Python program to print odd numbers in a List
numbers = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]

# Using a for loop to iterate through the list
print("Odd numbers in the list:")
for num in numbers:
    if num % 2 != 0: # Check if the number is not divisible by 2 (i.e., it's odd)
        print(num)
```

Odd numbers in the list:

1  
3  
5  
7  
9

In [ ]:

```
In [12]: #Python program to print all even numbers in a range
start = 1 # Start of the range (inclusive)
end = 30  # End of the range (exclusive)

print("Even numbers in the range from", start, "to", end, "are:")
for num in range(start, end):
    if num % 2 == 0:
        print(num)
```

Even numbers in the range from 1 to 30 are:

2  
4  
6  
8  
10  
12  
14  
16  
18  
20  
22  
24  
26  
28

In [ ]:

```
In [11]: #Python program to print all odd numbers in a range
start = 1 # Start of the range (inclusive)
end = 30  # End of the range (exclusive)

print("Odd numbers in the range from", start, "to", end, "are:")
for num in range(start, end):
    if num % 2 != 0:
        print(num)
```

Odd numbers in the range from 1 to 30 are:

1  
3  
5  
7  
9  
11  
13  
15  
17  
19  
21  
23  
25  
27  
29

In [ ]:

In [20]: *#Python program to print positive numbers in a list*

```
Numbers=[1,2,-3,-4,-5,7,8,-9]
print("positive numbers in list:")
for num in Numbers:
    if num>0:
        print(num)
```

positive numbers in list:

1  
2  
7  
8

In [ ]:

In [22]: *#Python program to print negative numbers in a list*

```
Numbers=[1,2,-3,-4,-5,7,8,-9,-10]
print("Negative numbers in list:")
for num in Numbers:
    if num<0:
        print(num)
```

Negative numbers in list:

-3  
-4  
-5  
-9  
-10

In [ ]:

In [25]: *#Python program to print all positive numbers in a range*

```
start = -20 # Start of the range
end = 20    # End of the range
```

```
print("Positive numbers in the range from", start, "to", end, "are:")
for num in range(start, end + 1): # We use `end + 1` to include the end value in the range
    if num > 0:
        print(num)
```

Positive numbers in the range from -20 to 20 are:

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20

In [ ]: