

MAX_MIN.PY

#write a python program that prints the largest and smallest values in a list

#print the 2 values values on the same line, seperated by space

#The largest value should appear before the smallest value

#You may assume that the list only contains numeric values

If the list is empty, print None

```
max_min.py > ...
# If the list is empty, print None
6
7 number1 = input("what is the number here: ")
8 number2 = input("what is the number here: ")
9 number3 = input("what is the number here: ")
10 number4 = input("what is the number here: ")
11
12 numbers = []
13 if number1:
14     numbers.append(int(number1))
15 if number2:
16     numbers.append(int(number2))
17 if number3:
18     numbers.append(int(number3))
19 if number4:
20     numbers.append(int(number4))
21
22
23 if not numbers:
24     print((numbers))
25 else:
26     print(numbers)
27     print(f"The largest and the smallest value of the list are: \n {max(numbers)} {min(numbers)} ")
28
29
30
```

Output

Testing the 4 scenarios

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```
● $ python max_min.py
what is the number here: 3
what is the number here: 4
what is the number here: 5
what is the number here: 6
[3, 4, 5, 6]
The largest and the smallest value of the list are:
6 3
```

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```
● $ python max_min.py
what is the number here: -1
what is the number here: -2
what is the number here: -3
what is the number here: -4
[-1, -2, -3, -4]
The largest and the smallest value of the list are:
-1 -4
```

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```
● $ python max_min.py
what is the number here: 0
what is the number here: 0
what is the number here: 0
what is the number here: 0
[0, 0, 0, 0]
The largest and the smallest value of the list are:
0 0
```

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```
● $ python max_min.py
what is the number here:
what is the number here:
what is the number here:
what is the number here:
[]
```