

Practical-4

Aim:- Write a program to find the maximum of a list of numbers.

Software Used:- Python IDLE 3.12.10

Procedure:-

- Start the program.
- Create a list of numbers.
- Check if the list is empty:

If it is, display a message and exit.

- Assume the first element in the list is the maximum.
- Use a for loop to iterate through each number in the list:

If the current number is greater than the assumed maximum, update the maximum.

- After the loop ends, print the maximum number.
- End the program.

Source Code:-

```
a = [ 90,99,69,96,65,89]
largest = a[0]
```

for val in a :

```
    if val>largest:
        largest=val
    print(largest)
```

Output:-

```
IDLE Shell 3.8.10
File Edit Shell Debug Options Window Help
Python 3.8.10 (default, Mar 18 2025, 20:04:55)
[GCC 9.4.0] on linux
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: /home/user/listfor loop.py =====
99
>>>
```