

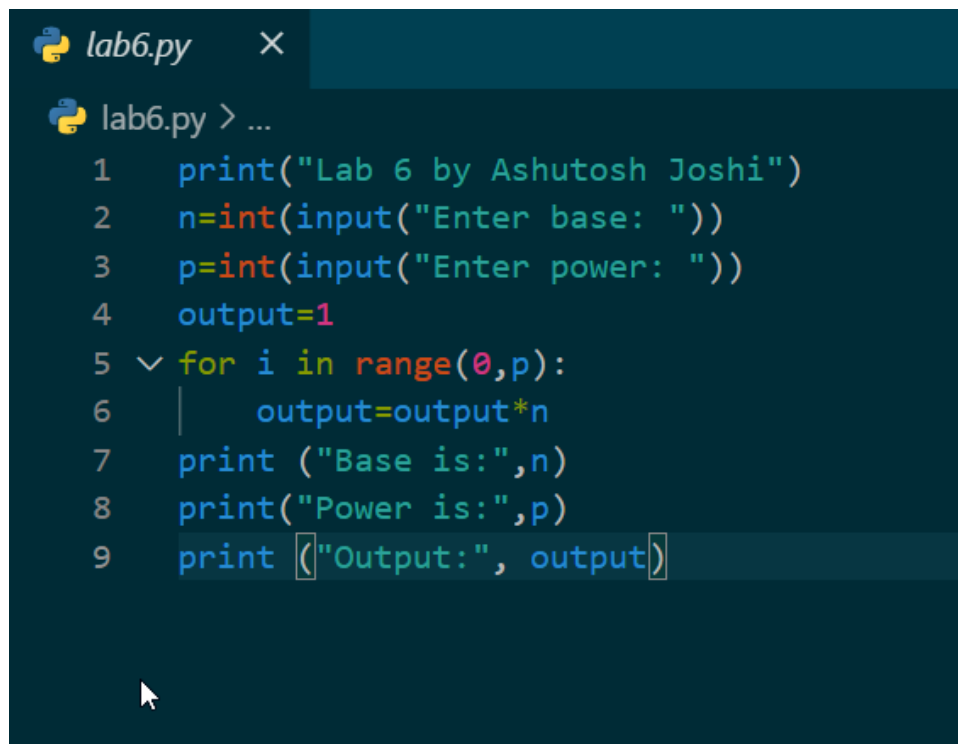
KNC 402 Python Lab

Ashutosh Joshi

1900320130047

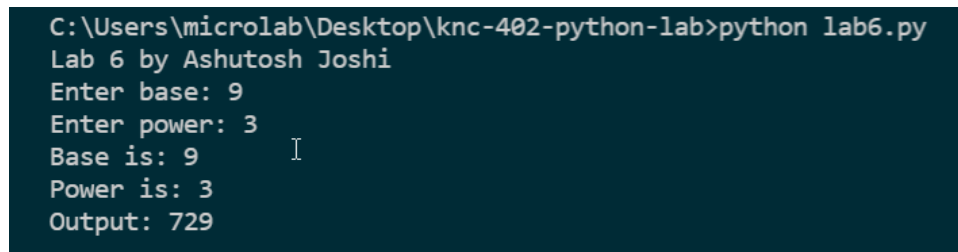
Check all files here at [github](#)

Practical 6



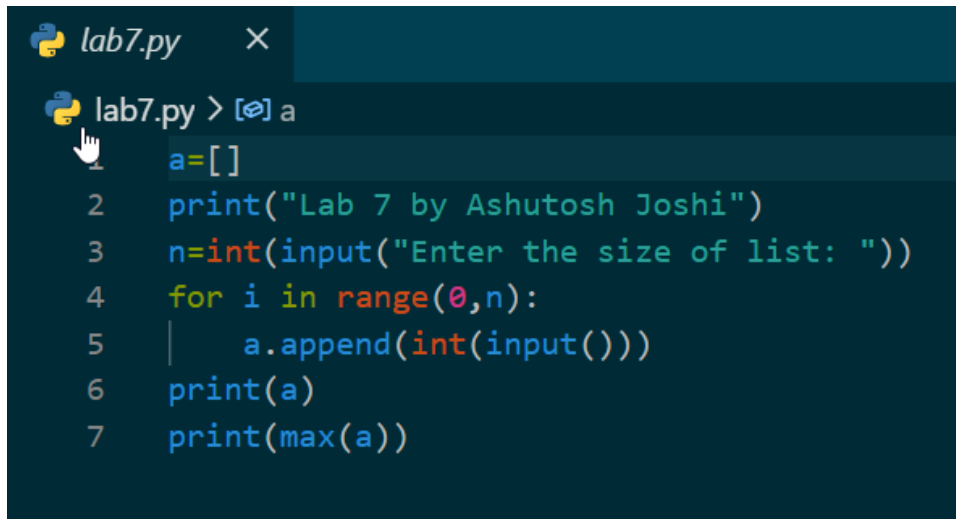
```
lab6.py ×  
lab6.py > ...  
1 print("Lab 6 by Ashutosh Joshi")  
2 n=int(input("Enter base: "))  
3 p=int(input("Enter power: "))  
4 output=1  
5 for i in range(0,p):  
6     output=output*n  
7 print ("Base is:",n)  
8 print("Power is:",p)  
9 print ("Output:", output)
```

Output



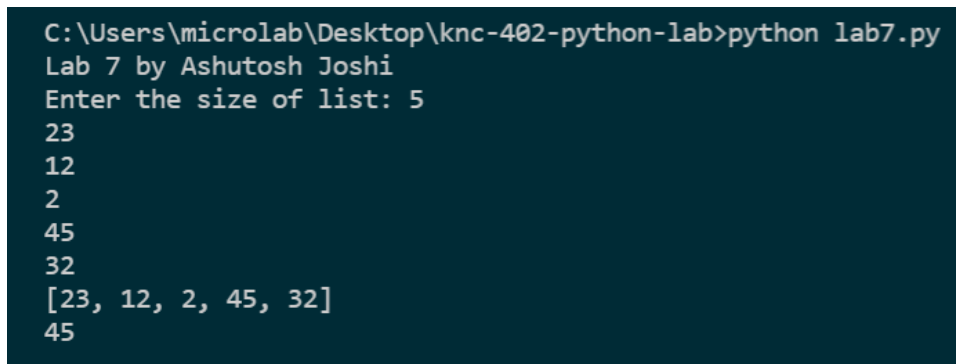
```
C:\Users\microlab\Desktop\knc-402-python-lab>python lab6.py  
Lab 6 by Ashutosh Joshi  
Enter base: 9  
Enter power: 3  
Base is: 9  
Power is: 3  
Output: 729
```

Practical 7



```
lab7.py ×  
lab7.py > [?] a  
1 a=[]  
2 print("Lab 7 by Ashutosh Joshi")  
3 n=int(input("Enter the size of list: "))  
4 for i in range(0,n):  
5     a.append(int(input()))  
6 print(a)  
7 print(max(a))
```

Output



```
C:\Users\microlab\Desktop\knc-402-python-lab>python lab7.py  
Lab 7 by Ashutosh Joshi  
Enter the size of list: 5  
23  
12  
2  
45  
32  
[23, 12, 2, 45, 32]  
45
```

Practical 8

```
lab8.py ×
lab8.py > ...
1 print("Lab 8 by Ashutosh Joshi")
2 def linear_Search(list1, n, key):
3     for i in range(0, n):
4         if (list1[i] == key):
5             return i
6     return -1
7 list1 = [5, 4, 7, 9, 5, 3, 33]
8 key = 9
9 n = len(list1)
10 res = linear_Search(list1, n, key)
11 if(res == -1):
12     print("Element not found")
13 else:
14     print("Element found at index: ", res)
```

Output

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL
Microsoft Windows [Version 10.0.18363.1440]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\microlab\Desktop\knc-402-python-lab>python lab8.py
Lab 8 by Ashutosh Joshi
Element found at index:  3
```