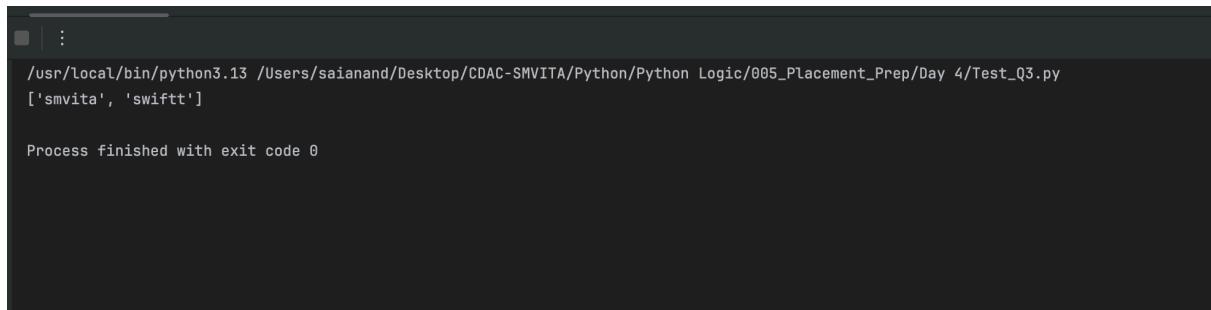


Q3) Write a Python program to filter a given list whether the values in the list are having length of 6 using Lambda

```
I1 = ["anand", "sai", "smvita", "datavisualization", "swiftt", "defender"]
```

```
result = list(filter(lambda x: len(x) == 6, I1))
print(result)
```



```
:
/usr/local/bin/python3.13 /Users/saianand/Desktop/CDAC-SMVITA/Python/Python Logic/005_Placement_Prep/Day 4/Test_Q3.py
['smvita', 'swiftt']

Process finished with exit code 0
```

Q4) Write a Python program to create Fibonacci series upto “n” using Lambda.

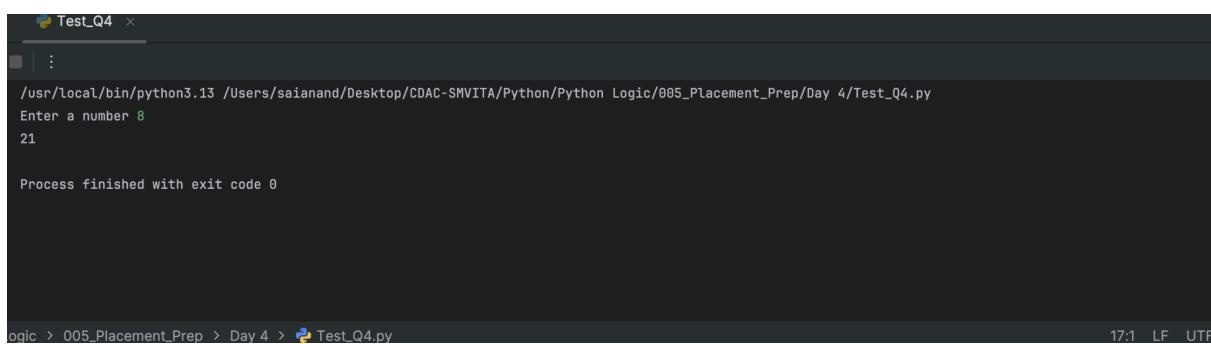
```
n = int(input("Enter a number "))
```

Normal funciton

```
# def fibonacci(n):
#     if n<2:
#         return n
#     else:
#         return fibonacci(n-1) + fibonacci(n-2)
#
# res = fibonacci(n)
# print(res)
```

lambda

```
fibonacci = lambda n : n if n< 2 else fibonacci(n-1) + fibonacci(n-2)
print(fibonacci(n))
```



```
Test_Q4 x
:
/usr/local/bin/python3.13 /Users/saianand/Desktop/CDAC-SMVITA/Python/Python Logic/005_Placement_Prep/Day 4/Test_Q4.py
Enter a number 8
21

Process finished with exit code 0
```

logic > 005_Placement_Prep > Day 4 > Test_Q4.py 17:1 LF UTF