

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

```
l1 = ["anand", "sai", "smvita", "datavisualization", "swift", "defender"]
```

```
result = list(filter(lambda x: len(x) == 6, l1))  
print(result)
```



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

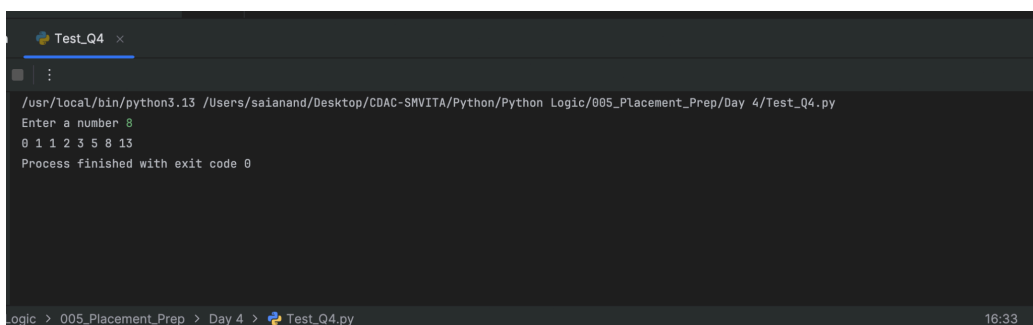
Normal function

```
# 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)
```

```
for i in range(n):  
    print(fibonacci(i), end=" ")
```



```
Test_Q4  
/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  
0 1 1 2 3 5 8 13  
Process finished with exit code 0  
  
Logic > 005_Placement_Prep > Day 4 > Test_Q4.py 16:33
```