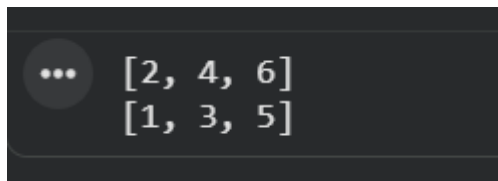


1. Write a Python program to count the even, odd numbers in a given array of integers using Lambda.

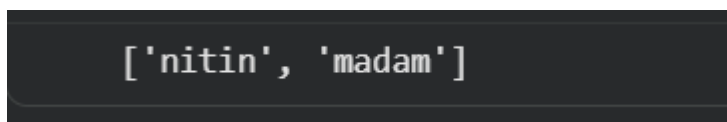
```
arr = [1,2,3,4,5,6]
even = list(filter(lambda x: x%2==0, arr))
odd = list(filter(lambda x: x%2!=0, arr))
print(even)
print(odd)
```

A screenshot of a Python shell window with a dark background. It shows the output of the first program: a list of even numbers [2, 4, 6] on the first line and a list of odd numbers [1, 3, 5] on the second line. A grey circle with three dots is visible on the left side of the first line.

```
... [2, 4, 6]
    [1, 3, 5]
```

2. Write a Python program to find palindromes in a given list of strings using Lambda.

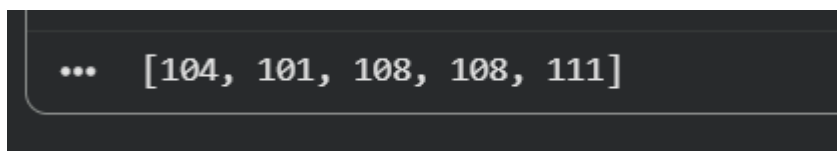
```
lsyt = ["nitin","python","madam"]
pal = list(filter(lambda x: x==x[::-1],lsyt))
print(pal)
```

A screenshot of a Python shell window with a dark background. It shows the output of the second program: a list of palindromes ['nitin', 'madam'] in single quotes.

```
['nitin', 'madam']
```

4. Write a Python program to convert a byte string to a list of integers. Sample Input: "hello" Sample Output: [104, 101, 108, 108, 111]

```
byte_string = b"hello"
listof_integers = list(byte_string)
print(list_of_integers)
```

A screenshot of a Python shell window with a dark background. It shows the output of the fourth program: a list of integers [104, 101, 108, 108, 111] in single quotes. A grey circle with three dots is visible on the left side of the first line.

```
... [104, 101, 108, 108, 111]
```