

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

▶ #Write a Python program to count the even, odd numbers in a given array of integers using Lambda.
numbers = [1,2,3,4,5]

even_no = len(list(filter(lambda x: x % 2 == 0, numbers)))
odd_no = len(list(filter(lambda x: x % 2 != 0, numbers)))
print(f"even numbers: {even_no}")
print(f"odd numbers: {odd_no}")

```
even numbers: 2  
odd numbers: 3
```

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

O/P:

```
Palindromes words found: ['madam', 'level', 'civic', 'kayak', 'racecar', 'noon']
```

Q.3) Solve the following pattern using one loop only: accept no. of rows from user. 1 121 12321
1234321

O/P:

```
Enter the no of rows: 4  
1  
121  
12321  
1234321
```

Q.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]

[104, 101, 108, 108, 111]
