
Q1

```
num = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11]
e = len(list(filter(lambda x: x % 2 == 0, num)))
o = len(list(filter(lambda x: x % 2 != 0, num)))
print("Even numbers count:", e)
print("Odd numbers count:", o)
```

```
C:\Users\niraj\PycharmProjects\pythonProject\venv\Scripts\python.exe "C:/Users/niraj/Downloads/Study/CDAC/Python/Python Assignment 1/Q1.py"
Even numbers count: 5
Odd numbers count: 6
```

Process finished with exit code 0

Q2

```
ser=["hi","ehe","heh"]
a=list(filter(lambda x: x==x[::-1],ser))
print(a)
```

```
"C:/Users/niraj/Downloads/Study/CDAC/Python Assignment 1/Q2.py"
['ehe', 'heh']
```

Process finished with exit code 0

Q3

```
a=int(input("Enter the number of Rows:"))
for i in range(1,a+1):
    for j in range(1,i+1):
        print(j,end="")
    for k in range(1,i):
        print(i-k,end="")
    print()
```

```
"C:/Users/niraj/Downloads/  
Enter the number of Rows:5  
1|  
121  
12321  
1234321  
123454321
```

TODO Problems Python Packages Python Cons

Q4

```
text = "hello"  
b = list(text.encode())  
print(b)
```

```
C:/Users/niraj/Downloads/Study/CDAC/P  
[104, 101, 108, 108, 111]
```