

```
Q1)
''' Write a Python program to count the even, odd numbers in a given array
of integers using
Lambda. '''
arr = [i for i in range(10)]
even_cnt = len(list(filter(lambda x:x%2==0,arr)))
odd_cnt = len(list(filter(lambda x:x%2,arr)))
print(even_cnt,odd_cnt)
```

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```
"C:\Users\Sagar Nikam\AppData\Local\Microsoft\WindowsApps\p
5 5
```

```
Process finished with exit code 0
```

Q2)

```
'''Q.2) Write a Python program to find palindromes in a given list of strings
using Lambda.
'''
ls = [1,2,1,2]
ispalindrome = lambda x:x[::-1]==x[::-1]
print(ispalindrome(ls))
```

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```
"C:\Users\Sagar Nikam\AppData\Local\Microsoft\WindowsApps\python3.12.exe" "C:\Users\Sagar Nikam\Desktop\Practice\Python Module\Tes
False
```

Process finished with exit code 0

Q3)

```
''' Solve the following pattern using one loop only: accept no. of rows from
user.
1
121
12321
1234321'''
for i in range(1,5):
    st = ""
    for j in range(1,i+1):
        st = st+str(j)
    for k in range(i-1,0,-1):
        st += str(k)
    print(st)
```

Output:

```
"C:\Users\Sagar Nikam\AppData\Local\Microsoft\WindowsApps\python3.12.1\nikam@DESKTOP-1QH6D9A:~$ 121\n12321\n1234321\nnikam@DESKTOP-1QH6D9A:~$ "
```

Q4)

```
'''Q.4) Write a Python program to convert a byte string to a list of integers.
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Sample Input:
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```
"hello"
```

```
Sample Output:
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[104, 101, 108, 108, 111]'''
```

```
inp = input()
```

```
print(list(b"inp"))
```

```
C:\Users\Sagar Nikam\AppData\Local\Microsoft\WindowsApps\python3.12.exe"\nhello\n[105, 110, 112]\nProcess finished with exit code 0
```