

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)
```

```
"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]
is_palindrome = lambda x:x[::-1]==x[:]
print(is_palindrome(ls))
```

```
"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.exe"
1
121
12321
1234321
```

Q4)

'''Q.4) Write a Python program to convert a byte string to a list of integers.

Sample Input:

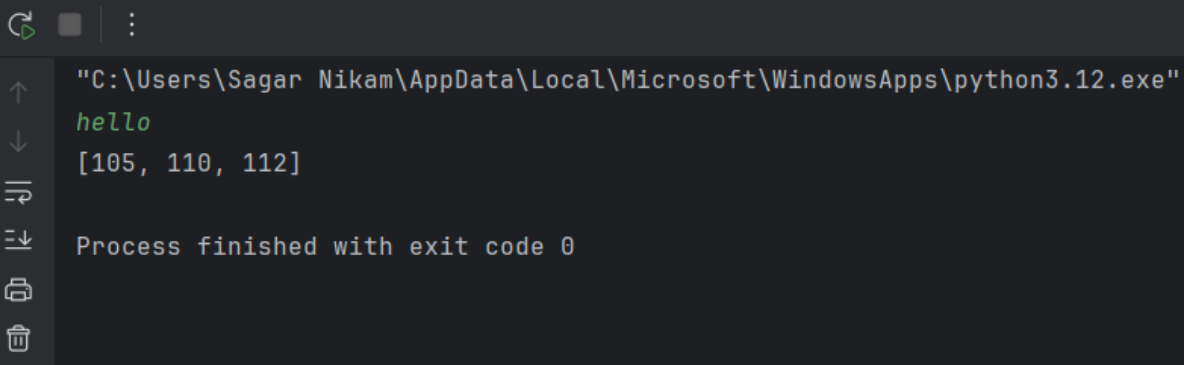
"hello"

Sample Output:

[104, 101, 108, 108, 111]'''

```
inp = input()
```

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



```
"C:\Users\Sagar Nikam\AppData\Local\Microsoft\WindowsApps\python3.12.exe"
hello
[105, 110, 112]

Process finished with exit code 0
```