

Q.1)

```
arr1=[10,11,12,13,14,15,16,17,18,19,20]
```

```
even_array=len(list(filter(lambda x:x%2 ==0 ,arr1)))
```

```
odd_array=len(list(filter(lambda x: x%2!=0 ,arr1)))
```

```
print(even_array)
```

```
print(odd_array)
```

```
arr1=[10,11,12,13,14,15,16,17,18,19,20]

even_array=len(list(filter(lambda x:x%2 ==0 ,arr1)))
odd_array=len(list(filter(lambda x: x%2!=0 ,arr1)))

print(even_array)
print(odd_array)
```

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Q.2)

```
words = ["hih", "python", "madam", "data", "sartras","awdwa"]
```

```
palindrome=list(filter(lambda x: x==x[::-1],words))
```

```
print(palindrome)
```

```
['hih', 'madam', 'sartras', 'awdwa']
```

Q.4)

```
s = "hello"
```

```
byte_values = list(map(ord, s))
```

```
print(byte_values)
```

```
print(byte_values)
```

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

```
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```