

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)
```

```
6
```

```
5
```

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]
```

```
:
```