filter

The filter is useful for taking data and removing any information that you don't need

The filter function returns a sequence from those elements for which returns True

```
#Even and Odd number using lambda
number = lambda x : True if x % 2 == 0 else False
even = number(4) #which are divisible by 2
print(even)
odd = number(5) #which are not divisible by 2
print(odd)

Output
True
False
```

```
#Even using lambda function and filter() with function

def d1(x):
    return x % 2 == 0

lst = [0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 0, 1, 2, 3]
    result = filter(lambda x: x % 2 == 0, lst)
    print(list(result)) # [0, 2, 4, 6, 8, 0, 2]

Output
[0, 2, 4, 6, 8, 0, 2]
```