17.

```python
def even(x):
    return x % 2 == 0

a = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]

result = filter(even, a)
print('Original List :', a)
print('Filtered List :', list(result))
```

19.

```python
def calculate_mean(numbers):
    total = sum(numbers)
    count = len(numbers)
    if len(numbers) == 0:
        return None
    else:
        return total/count

data = [10, 15, 20, 25, 30]
print("The average of list is ", calculate_mean(data))
```