Week2 Set3

Q1

Create a function for finding average of N nums (where N=95,98,95,98,99) using python Programming (Define the function name as avg)

In [9]:
```python
def avg(*n):
    sumNo = 0
    for i in n:
        sumNo += i
    return sumNo/len(n)

print('The average of the given N numbers is: ')
print(avg(95, 98, 99, 95, 98))
```

```
The average of the given N numbers is:
97.0
```

Q2

Develop a python code to double the given number using lambda function.

In [10]:
```python
double = lambda n : 2*n

num = int(input('Enter a number that you want to double: '))
print('The double of the entered number is: ' + str(double(num)))
```

```
Enter a number that you want to double: 42
The double of the entered number is: 84
```

Q3

Create a subroutine called tables and print the tables by passing the parameter 3600

QUESTION INCORRECT

Q4

Develop a python code to display the items with duplicate elements and print the number of items in the tuple.

In [15]:
```python
tuple1 = (23, 43, 1, 5, 67, 23, 19, 23, 23, 5, 1, 5, 23)
duplicateList = []
elemList = []

for num in tuple1:
    if num in elemList:
        if num not in duplicateList:
            duplicateList.append(num)
    else:
        elemList.append(num)

print('The list of duplicate elements is: ')
print(tuple(duplicateList))

print('\nThe number of unique items in the tuple is: ' + str(len(elemList)))
```

```
The list of duplicate elements is:
(23, 5, 1)

The number of unique items in the tuple is: 6
```

Q5

Create a python code to display the processor, number of cores and year of release of an new AMD processor using Dictionary with above key and give the values for it.

In [17]:
```python
processor = input('Enter the name of the processor: ')
noCores = input('Enter the number of cores: ')
yearOfRelease = input('Enter the year of release: ')

dictionary = {
    'processor': processor,
    'noOfCores': noCores,
    'yearOfRelease': yearOfRelease
}

print('\n Display the dictionary: ')
print(dictionary)
```

```
Enter the name of the processor: Intel COre
Enter the number of cores: 4
Enter the year of release: 2006

 Display the dictionary:
{'processor': 'Intel COre', 'noOfCores': '4', 'yearOfRelease': '2006'}
```

In [ ]: