In [2]:

```
###write a program to Python find the values which is not divisible 3 but is should be a multiple
of 7. Make sure to use only higher order function.
nl=[]
for x in range(1 , 51):
    if (x%3!=0) and (x%7==0):
        nl.append(str(x))
print (','.join(nl))
```

```
7,14,28,35,49
```

In [4]:

```
### Write a program in Python to  multiple the element of list by itself using a traditional funct
ion and pass the function to map to complete the operation.
def addition(n):
    return n + n

numbers = (1, 2, 3, 4)
result = map(addition, numbers)
print(list(result))
```

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

In [6]:

```
###Write a program to Python find out the character in a string which is uppercase using list comp
rehension.

s = 'abcCHAITALIdfhkdjOMSAI'
''.join([c for c in s if c.isupper()])
```

Out[6]:

```
'CHAITALIOMSAI'
```

In [7]:

```
###Write a program to construct a dictionary from the two lists containing the names of students a
nd their corresponding subjects. The dictionary should maps the students with their respective sub
jects. Let's see how to do this using for loops and dictionary comprehension. HINT-Use Zip functio
n also
#Student = ['Smit', 'Jaya', 'Rayyan']
#capital = ['CSE', 'Networking', 'Operating System']

student = ['Smit', 'Jaya', 'Rayyan']

capital = ['CSE', 'Networking', 'Operating System']


dict1={x:y for x,y in zip(student,capital)}
print(dict1)
```

```
{'Smit': 'CSE', 'Jaya': 'Networking', 'Rayyan': 'Operating System'}
```

In [9]:

```
###Write a program in Python using generators to reverse the string. Input String = "Consultadd Tr
aining"
string_input='Consultadd Training'
print(string_input[::-1])
```

```
gniniarT ddatlusnoC
```

In [12]:

```
###Write any example on decorators.
def succ(x):
    return x + 1
successor = succ
successor(10)
```

Out[12]:

11

In [ ]:

```

```