In [15]:
```python
#roll no: 225229111

#Lab10:
#Ques1:

def my_map(n):
    return n*n
num = [1,2,4,6]
print("Original list: ",num)
result=map(my_map,num)
print("Square root of list: ",list(result))
```

```
Original list:  [1, 2, 4, 6]
Square root of list:  [1, 4, 16, 36]
```

In [6]:
```python
#Ques2:

number=['x','Y','2','3','Z','b']
upper = list(filter(lambda x: x.isupper(),number))
print('Uppercase characters:', upper)
```

```
Uppercase characters: ['Y', 'Z']
```

In [22]:
```python
#Ques3:

from functools import reduce
re=reduce(lambda x,y:x+y,['a', 'b', 'c', 'd'],'x')
print(re)
```

```
xabcd
```

In [20]:
```python
#Ques4:

orders = [['34587','Learning Python,Mark lutz',4,40.95],['98762','Programming Pyt
         ['77226','Head First Python,Paul Barry',3,32.95],['88112','Einfunhurg i
min_order=100

invoice_totals= list(map(lambda x: x if x[1]>= min_order else (x[0],x[1]-10),map(
print(invoice_totals)
```

```
[('34587', 163.8), ('98762', 284.0), ('77226', 88.85000000000001), ('88112', 6
4.97)]
```