In [50]:
```
1.
sample=[("sachin tendulkar",34357),("ricky ponting",27483),("jack kallis",25534),("
sample.sort(key=lambda x:x[1])
print(sample)
```

```
[('virat kohli', 24936), ('jack kallis', 25534), ('ricky ponting', 27483), ('sachin
tendulkar', 34357)]
```

In [55]:
```
2.
l=[1,2,3,4,5,6,7,8,9,10]
print(list(map(lambda x:x*x,l)))
```

```
[1, 4, 9, 16, 25, 36, 49, 64, 81, 100]
```

In [67]:
```
3.
l=[1,2,3,4,5,6,7,8,9,10]
print(tuple(map(lambda x:(str(x)) ,l)))
```

```
('1', '2', '3', '4', '5', '6', '7', '8', '9', '10')
```

In [80]:
```
4.
from functools import reduce
l=[]
for i in range (1,26):
    l.append(i)
    i+=1

mul=reduce(lambda x,y:x*y,l)
print(mul)
```

```
15511210043330985984000000
```

In [88]:
```
5.
l=[2,3,6,9,27,60,90,120,55,46]
div=list(filter(lambda x:(x if x%2==0 and x%3==0 else False),l ))
print(div)
```

```
[6, 60, 90, 120]
```

In [94]:
```
6.
l=["python","aba","php","radar","level"]
pallindrome=list(filter(lambda x:x if x==(x[::-1]) else False,l))
print("this strings are pallindrome: ",pallindrome)
```

```
this strings are pallindrome:  ['aba', 'php', 'radar', 'level']
```

In [ ]: