!/usr/bin/python3 ### Lists python lists are ordered collection of heterogenious objects l = [1, 2, 3] print(l) #### *append() vs extend()* - append will add the object to end of the list it takes only one object - append will add the object as it is at end - extend will extend the list with passed iterable - extend will add the elements of the iterable passed to the list at end of the list - if we extend list with dict only keys will be added to the list not values

```python
t = (40, 50, 60)
l.append([4, 5])
print('append a list to list', l)
l.extend([6, 7])
print('extend a list with list', l)
t = (20, 30)
l.append(t)
print('append a tuple to list', l)
l.extend(t)
print('extend a list with tuple', l)
d = {'first':1, 'secoend':2}
l.append(d)
```