

Question 6

Write a python function that gets two lists and creates a sorted list of tuples from lst1 and lst2.

Recommended time: 15 min

Function input example:

```
lst1 = ["Mike", "Danny", "Jim", "Annie"] lst2 = [4, 12, 7, 19]
```

Expected Output:

```
[('Annie', 19), ('Danny', 12), ('Jim', 7), ('Mike', 4)]
```

Question 7

Initialize dictionary with default values.

In Python, we can initialize the keys with the same values.

Recommended time: 10 min

Given:

```
employees = ['Kelly', 'Emma']  
defaults = {"designation": 'Developer', "salary": 8000}
```

Expected output:

```
{'Kelly': {'designation': 'Developer', 'salary': 8000},  
'Emma': {'designation': 'Developer', 'salary': 8000}}
```

Hint: Search for `fromkeys()`

Question 8

Create a dictionary by extracting the keys from a given dictionary.

Write a Python program to create a new dictionary by extracting the mentioned keys from the below dictionary.

Recommended time: 15 min

Given dictionary:

```
sample_dict = {  
    "name": "Kelly",  
    "age": 25,  
    "salary": 8000,  
    "city": "New york"}  
  
# Keys to extract keys = ["name", "salary"]
```

Expected output:

```
{'name': 'Kelly', 'salary': 8000}
```

Question 9

Rename key of a dictionary.

Write a program to rename a key `city` to a `location` in the following dictionary.

Recommended time: 20 min

Given:

```
sample_dict = {  
    "name": "Kelly",  
    "age": 25,  
    "salary": 8000,  
    "city": "New york"  
}
```

Expected output:

```
{'name': 'Kelly', 'age': 25, 'salary': 8000, 'location': 'New york'}
```

Question 10

Change value of a key in a nested dictionary.

Write a Python program to change Brad's salary to 8500 in the following dictionary.

Recommended time: 10 min

Given:

```
sample_dict = {  
    'emp1': {'name': 'Jhon', 'salary': 7500},  
    'emp2': {'name': 'Emma', 'salary': 8000},  
    'emp3': {'name': 'Brad', 'salary': 500}  
}
```

Expected output:

```
{  
    'emp1': {'name': 'Jhon', 'salary': 7500},  
    'emp2': {'name': 'Emma', 'salary': 8000},  
    'emp3': {'name': 'Brad', 'salary': 8500}  
}
```