

## Exercise 1: Convert two lists into a dictionary

Below are the two [lists](#). Write a Python program to convert them into a dictionary in a way that item from list1 is the key and item from list2 is the value

```
keys = ['Ten', 'Twenty', 'Thirty']  
values = [10, 20, 30]
```

**Expected output:**

```
{'Ten': 10, 'Twenty': 20, 'Thirty': 30}
```

## Exercise 2: Merge two Python dictionaries into one

```
dict1 = {'Ten': 10, 'Twenty': 20, 'Thirty': 30}  
dict2 = {'Thirty': 30, 'Fourty': 40, 'Fifty': 50}
```

**Expected output:**

```
{'Ten': 10, 'Twenty': 20, 'Thirty': 30, 'Fourty': 40, 'Fifty': 50}
```

## Exercise 4: Initialize dictionary with default values

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

**Given:**

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

**Expected output:**

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

[+ Show Hint](#)

Use the `fromkeys()` method of dict.

## Exercise 5: 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.

**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}
```

## Exercise 8: Rename key of a dictionary

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

**Given:**

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

**Expected output:**

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

### Exercise 9: Get the key of a minimum value from the following dictionary

```
sample_dict = {  
    'Physics': 82,  
    'Math': 65,  
    'history': 75  
}
```

**Expected output:**

Math