# Dictionary Exercise – Set-III

Q.1) 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
**Given:**
keys = ['Ten', 'Twenty', 'Thirty']
values = [10, 20, 30]

**Expected output:**
{'Ten': 10, 'Twenty': 20, 'Thirty': 30}

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Q.2) Merge two Python dictionaries into one.
**Given:**
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}

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Q.3) Print the value (marks) of key 'history' from the below dictionary.
**Given:**
    **sampleDict = {**
      **"class": {**
        **"student": {**
          **"name": "Mike",**
          **"marks": {**
            **"physics": 70,**
            **"history": 80**
          **}**
        **}**
      **}**
    **}**

**Expected output:**
80

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Q.4) Initialize dictionary with default values
**Given:**
employees = ['Kelly', 'Emma']
defaults = {"designation": 'Developer', "salary": 8000}

**Expected output:**
{'Kelly': {'designation': 'Developer', 'salary': 8000}, 'Emma': {'designation': 'Developer', 'salary': 8000}}

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Q.5) Write a Python program to create a new dictionary by extracting the mentioned keys from the below dictionary. Create new dictionary that contains only mentioned {k:v} pairs.

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

**Keys to extract**
keys = ["name", "salary"]

**Expected output:**
{'name': 'Kelly', 'salary': 8000}

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Q.6) Delete a list of keys from a dictionary
**Given:**
sample_dict = {
   "name": "Kelly",
   "age": 25,
   "salary": 8000,
   "city": "New york"
}

**# Keys to remove**
keys = ["name", "salary"]

**Expected output:**
{'city': 'New york', 'age': 25}

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Q.7) Write a Python program to check if value 200 exists in the following dictionary.

**Given:**
sample_dict = {'a': 100, 'b': 200, 'c': 300}

**Expected output:**
200 present in a dict

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Q.8) 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'}

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