

Dictionary Questions

Exercise 1: Below are the two lists convert it into the dictionary

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

Expected output:

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

Exercise 2: Merge following two Python dictionaries into one

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

Expected output:

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

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Exercise 3: Access the value of key 'history' from the below dict

```
sampleDict = {  
    "class":{  
        "student":{  
            "name":"Mike",  
            "marks":{  
                "physics":70,  
                "history":80  
            }  
        }  
    }  
}
```

```
}
```

Expected output:

80

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Exercise 4: Initialize dictionary with default values

Given:

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

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Exercise 5: Create a new dictionary by extracting the following keys from a below dictionary

Given dictionary:

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

Keys to extract

```
keys = ["name", "salary"]
```

Expected output:

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

Exercise 6: Delete set of keys from a dictionary

Given:

```
sampleDict = {  
    "name": "Kelly",  
    "age": 25,  
    "salary": 8000,  
    "city": "New york"  
}  
keysToRemove = ["name", "salary"]
```

Expected output:

```
{'city': 'New york', 'age': 25}
```

Exercise 7: Check if a value 200 exists in a dictionary

```
sampleDict = {'a': 100, 'b': 200, 'c': 300}
```

Expected output:

```
True
```

Exercise 8: Rename key city to location in the following dictionary

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

```
}
```

Expected output:

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

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

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

Expected output:

Math

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Exercise 10: Change Brad's salary to 8500 from a given Python dictionary

```
sampleDict = {  
  'emp1': {'name': 'Jhon', 'salary': 7500},  
  'emp2': {'name': 'Emma', 'salary': 8000},  
  'emp3': {'name': 'Brad', 'salary': 6500}
```

```
}
```

Expected output:

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