Python Dictionary Exercise

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

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

Expected output:

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

2: Merge following two Python dictionaries into one

```python
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}
```

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

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

Expected output:

80

4: Initialize dictionary with default values

Given:

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

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}
```

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}
```

7: Check if a value 200 exists in a dictionary

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

Expected output:

True

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"

}
```

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

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

Expected output:

```
Math
```

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}
}
```