

Dictionary

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Q1: Key with maximum unique values

Given a dictionary with values list, extract key whose value has most unique values.

Example 1:

Input:

```
test_dict = {"Coding" : [5, 7, 9, 4, 0], "is" : [6, 7, 4, 3, 3], "Best" : [9, 9, 6, 5, 5]}
```

Output:

Coding

Example 2:

Input:

```
test_dict = {"Coding" : [5, 7, 7, 7, 7], "is" : [6, 7, 7, 7], "Best" : [9, 9, 6, 5, 5]}
```

Output:

Best

Q2: Replace words from Dictionary. Given String, replace it's words from lookup dictionary.

Example 1:

Input:

```
test_str = 'Two minutes AI best for DS students'  
repl_dict = {"best" : "is the best channel", "DS" : "Data-Science"}
```

Output:

Two minutes is the best channel for Data-Science students.

Example 2:

Input:

```
test_str = 'Two minutes AI good for DS students.'  
repl_dict = {"good" : "is the best channel", "ds" : "Data-Science"}
```

Output:

Two minutes AI is the best channel for DS students.

Q3: Convert a list of Tuples into Dictionary.

Example 1:

Input:

```
[("akash", 10), ("gaurav", 12), ("anand", 14), ("suraj", 20), ("akhil", 25), ("ashish", 30)]
```

Output:

```
{'akash': [10], 'gaurav': [12], 'anand': [14], 'suraj': [20], 'akhil': [25], 'ashish': [30]}
```

Example 2:

Input:

```
[('A', 1), ('B', 2), ('C', 3)]
```

Output:

```
{'A': [1], 'B': [2], 'C': [3]}
```

Q4: Sort Dictionary key and values List.

Example 1:

Input:

```
{'c': [3], 'b': [12, 10], 'a': [19, 4]}
```

Output:

```
{'a': [4, 19], 'b': [10, 12], 'c': [3]}
```

Example 2:

Input:

```
{'c': [10, 34, 3]}
```

Output:

```
{'c': [3, 10, 34]}
```

Q5: Convert List to List of dictionaries. Given list values and keys list, convert these values to key value pairs in form of list of dictionaries.

Example 1:

Input:

```
test_list = ["DataScience", 3, "is", 8]
```

```
key_list = ["name", "id"]
```

Output:

```
[{'name': 'DataScience', 'id': 3}, {'name': 'is', 'id': 8}]
```

Example 2:

Input:

```
test_list = ["Johan", 10]
```

```
key_list = ["name", "id"]
```

Output:

```
[{'name': 'Johan', 'id': 10}]
```