

Summary

You have reached the end of this topic. In this topic, you learned how to:

- Create a dictionary object.
- Access contents of a dictionary object using hashing.
- Perform operations on dictionary object.

You also had a chance to practice some code using the Code Challenge. Here is the ideal solution for the code challenge.

Problem Statement

Ideal Solution

For each of the statements displayed below, write the code that will display the required result for the given dictionary.

```
villians={1:"magneto", 2:"Joker", 3:"Doctor Doom", 5:"Lex Luthor", 9:"Green Goblin", 6:"Loki"}
>>> len(villians)
6
```

1. Display the length of the dictionary.

```
>>> min(villians)
```

2. Display the key which has the least value.

```
1
```

3. Display the value of the key 9 as well as delete it simultaneously.

```
>>> villians.pop(9)
```

4. Display all the values in dictionary.

```
'Green Goblin'
```

5. Delete all the elements in the dictionary while retaining the empty object.

```
>>> villians.values()
dict_values(['magneto', 'Joker', 'Doctor Doom', 'Lex Luthor', 'Loki'])

>>> villians.clear()
```

>>> villians

{}