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**Date**: 31-01-2024

**Python Day-3**

**Question: What is JSON?**

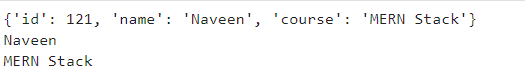
**Answer:** JSON stands for JavaScript Object Notation. It means that a script (executable) file which is made of text in a programming language, is used to store and transfer the data.

* **Convert JSON String to Dictionary python**

In this we are going to convert JSON string to python dictionary using json.loads() method of json module.

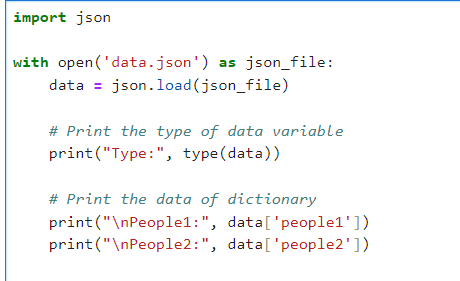
**Code: **

**Output:**

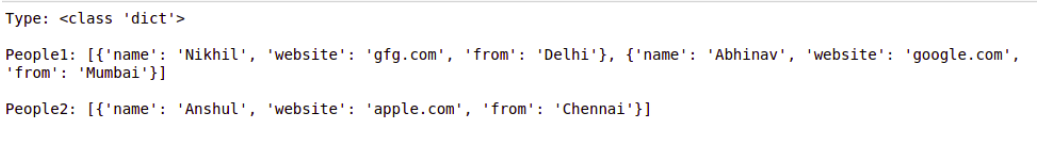
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* **Convert JSON file to python object**

**Code:**

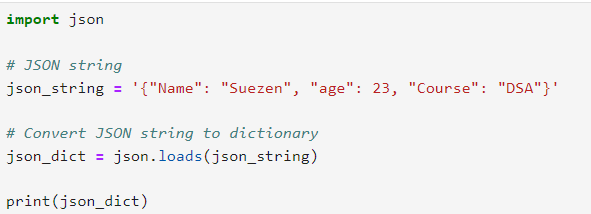
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**Output:**

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* **Convert JSON String to dictionary in python**

**Code:**

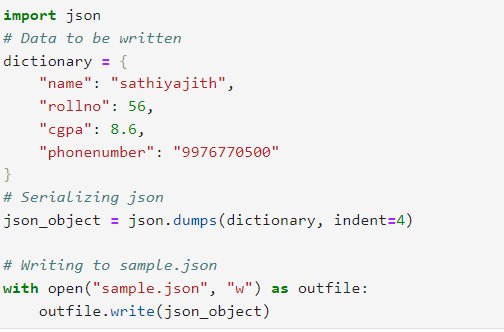
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**Output:**

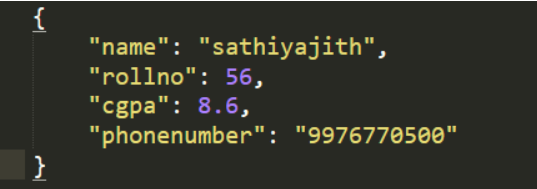
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* **Writing a JSON to a file in python using json.dumps()**

**Code:**

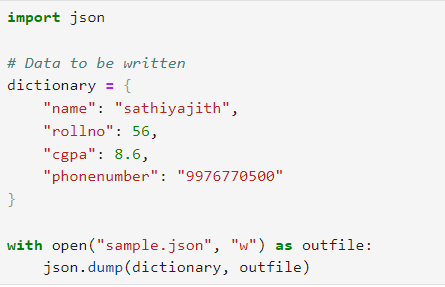
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**Output:**

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* **Writing a JSON to a file in python using json.dump()**

**Code:**

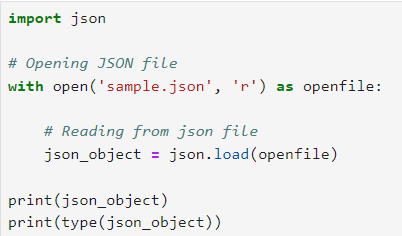
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**Output:**

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* **Reading a JSON file using json.load()**

**Code:**

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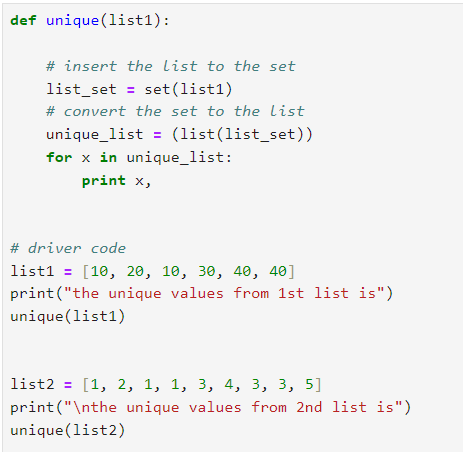
**Output:**

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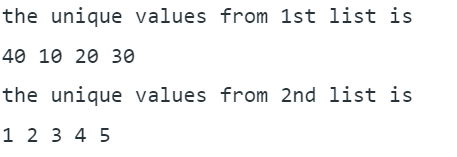
**Question: Get Unique values from a list**

* **Getting unique values from a list using set method**

**Code:**

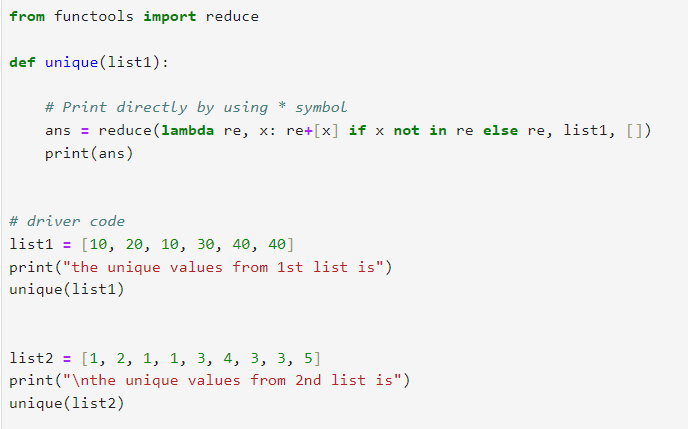
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**Output:**

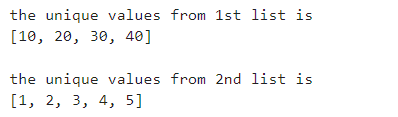
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* **Using reduce() function**

**Code:**

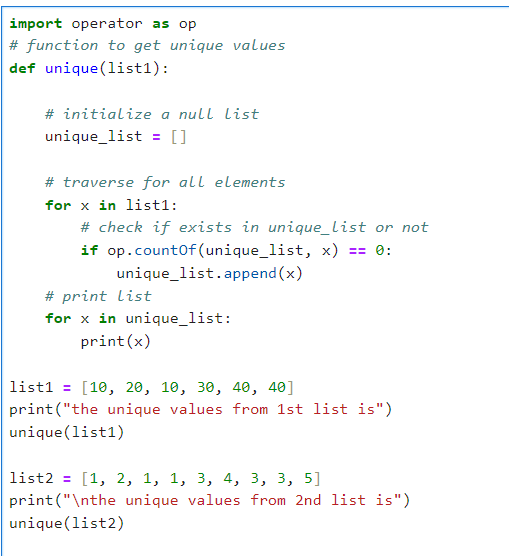
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**Output:**

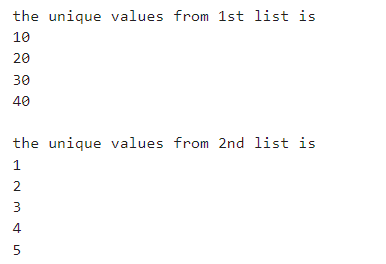
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* **Using operator.countof() method**

**Code:**

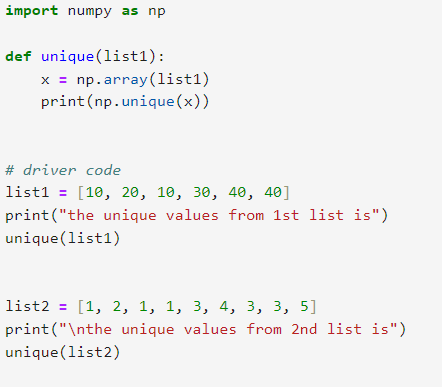
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**Output:**

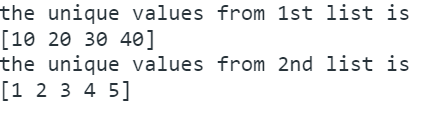
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* **Using numpy.unique**

**Code:**

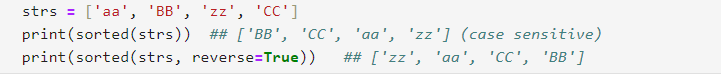
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**Output:**

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**Question: Python Sorting**

**Code:**

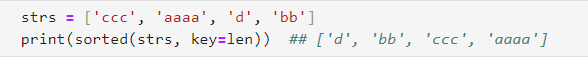
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**Output:**

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* **Custom sorting with key =**

**Code:**

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**Output:**

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