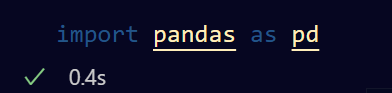
**IRIS FLOWER DATASET ANALYSIS**

Dataset reference -> ( <https://www.kaggle.com/datasets/uciml/iris> )

We used the iris flower dataset to Calculate chi square test, Pearson correlation, Covariance, Null hypothesis, Alt hypothesis

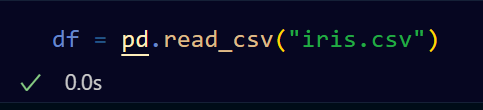
**Step-1**

Import the required Libraries



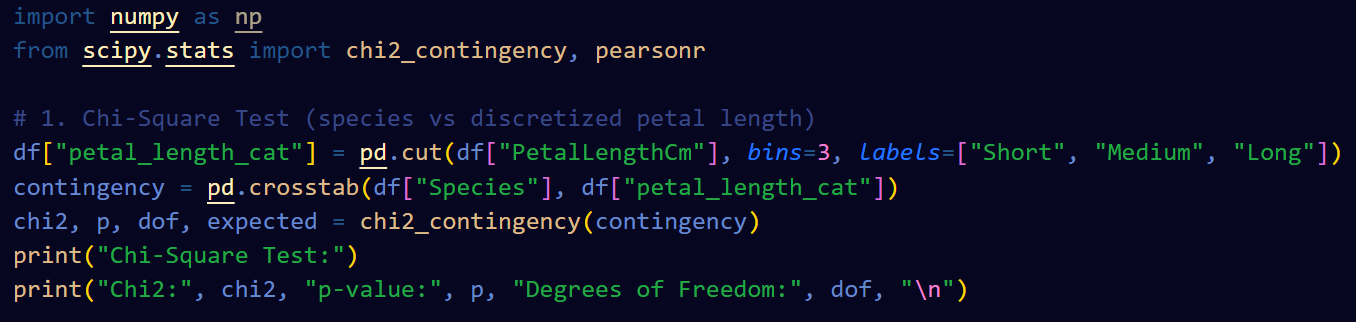
**Step-2**

Load the dataset using Pandas library

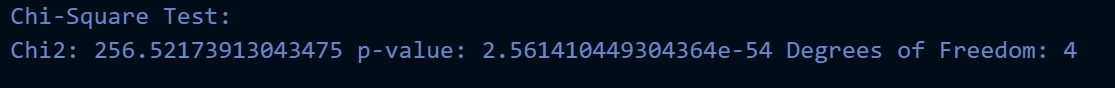


**Step-3**

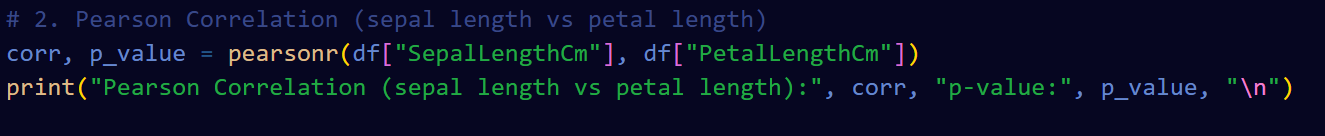
Calculate the **chi square test** using Pandas Built-in Functions.



**Results: -**

****

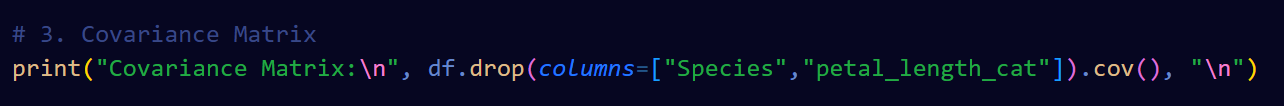
**Pearson correlation**

****

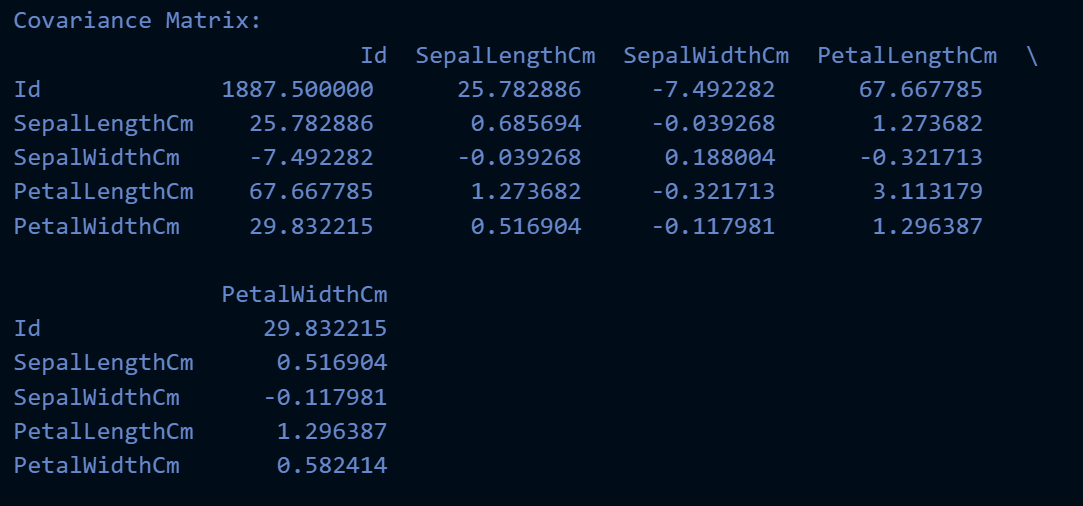
**Results: -**

****

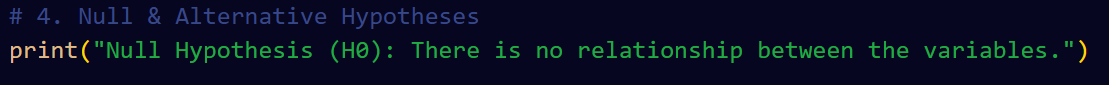
**Covariance**

****

**Results: -**

****

**Null hypothesis**

****

**Alt hypothesis**

****

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