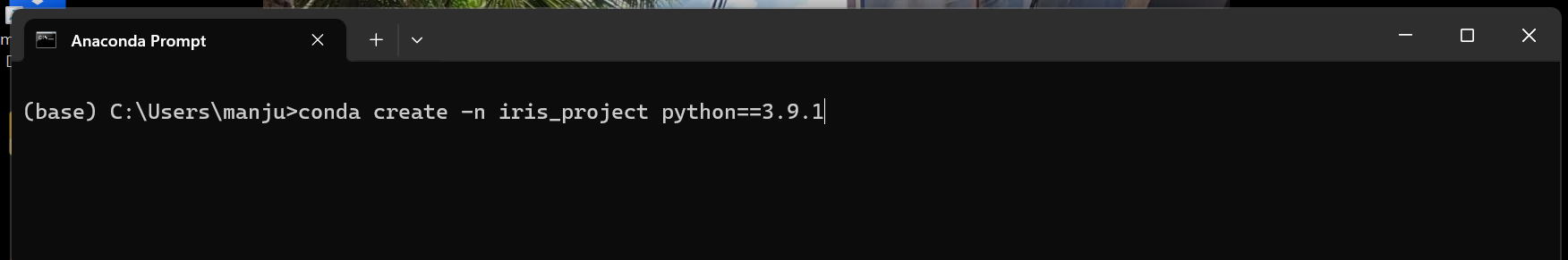
ENVIRONMENT CREATION

Step: 1 Creating Iris\_ proj with python version

Code: conda create –n iris\_project python==3.9.1

Step: 2 Proceed with y



Step: 3 Result



Step: 4 Activate Iris\_Proj



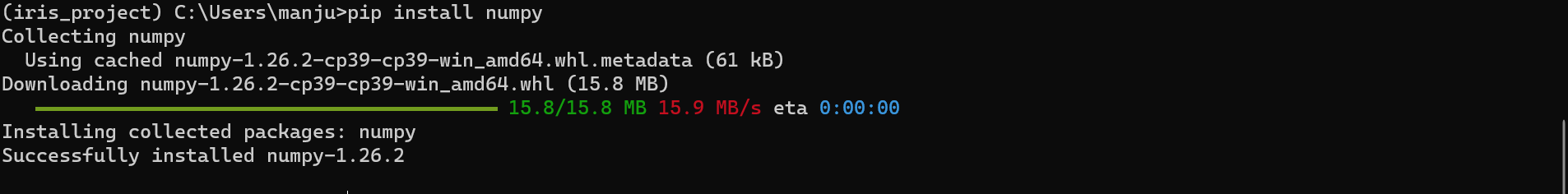
Step: 5 Installing Jupyter Notebook

Screenshot 2023-11-17 144349.png

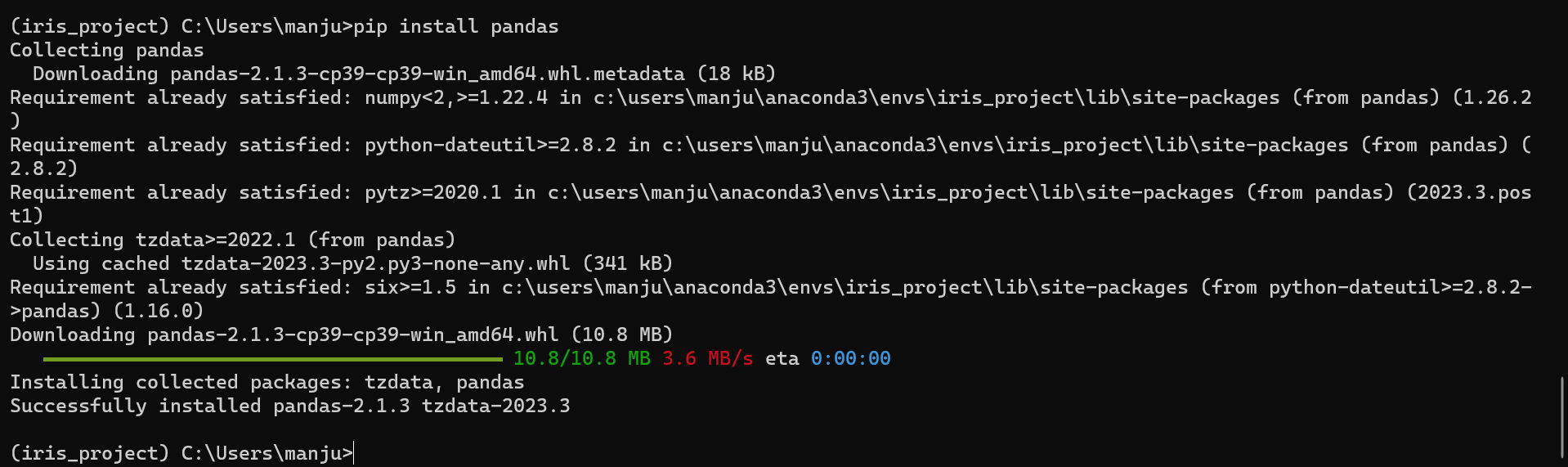
Step: 6

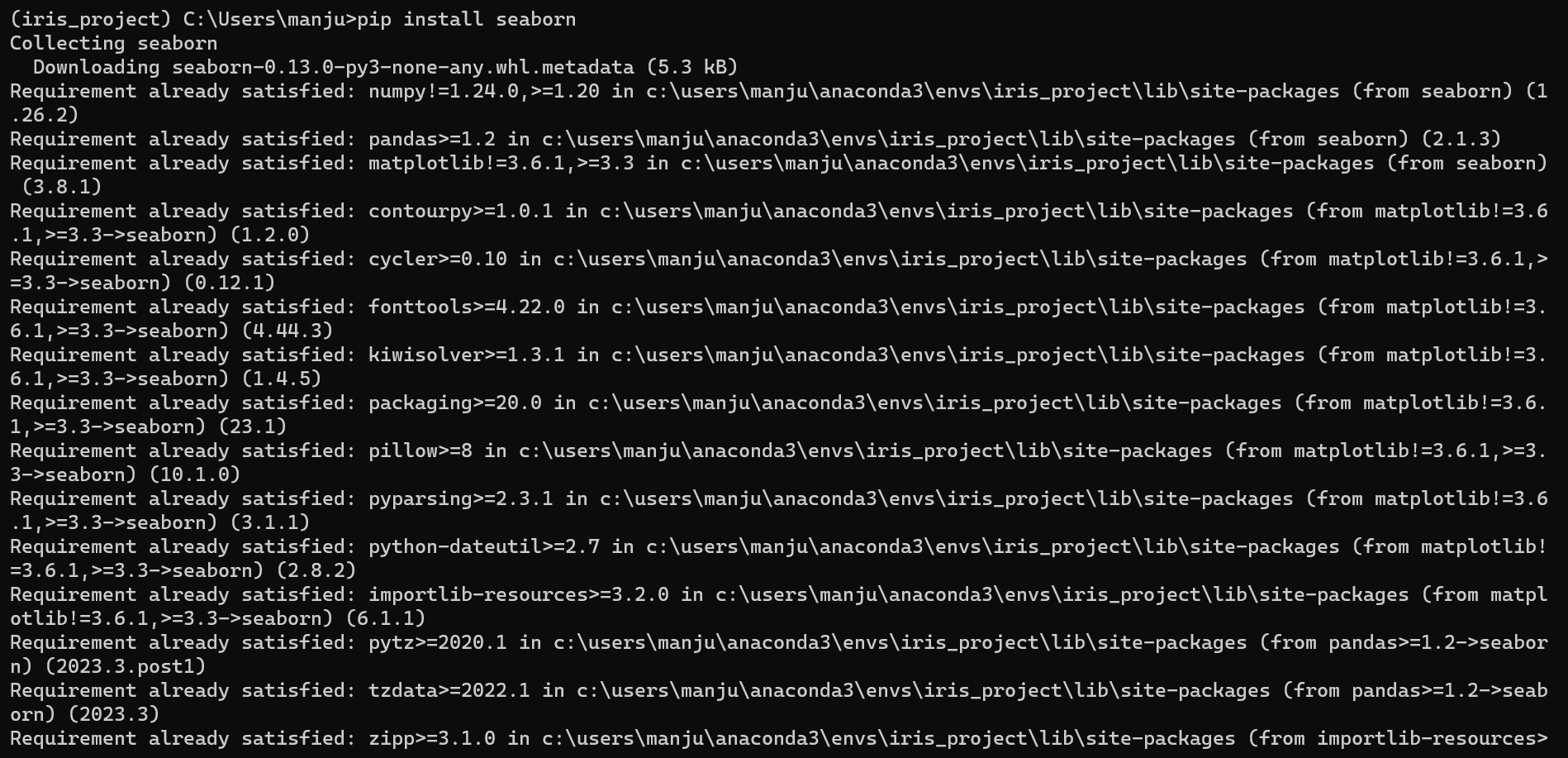


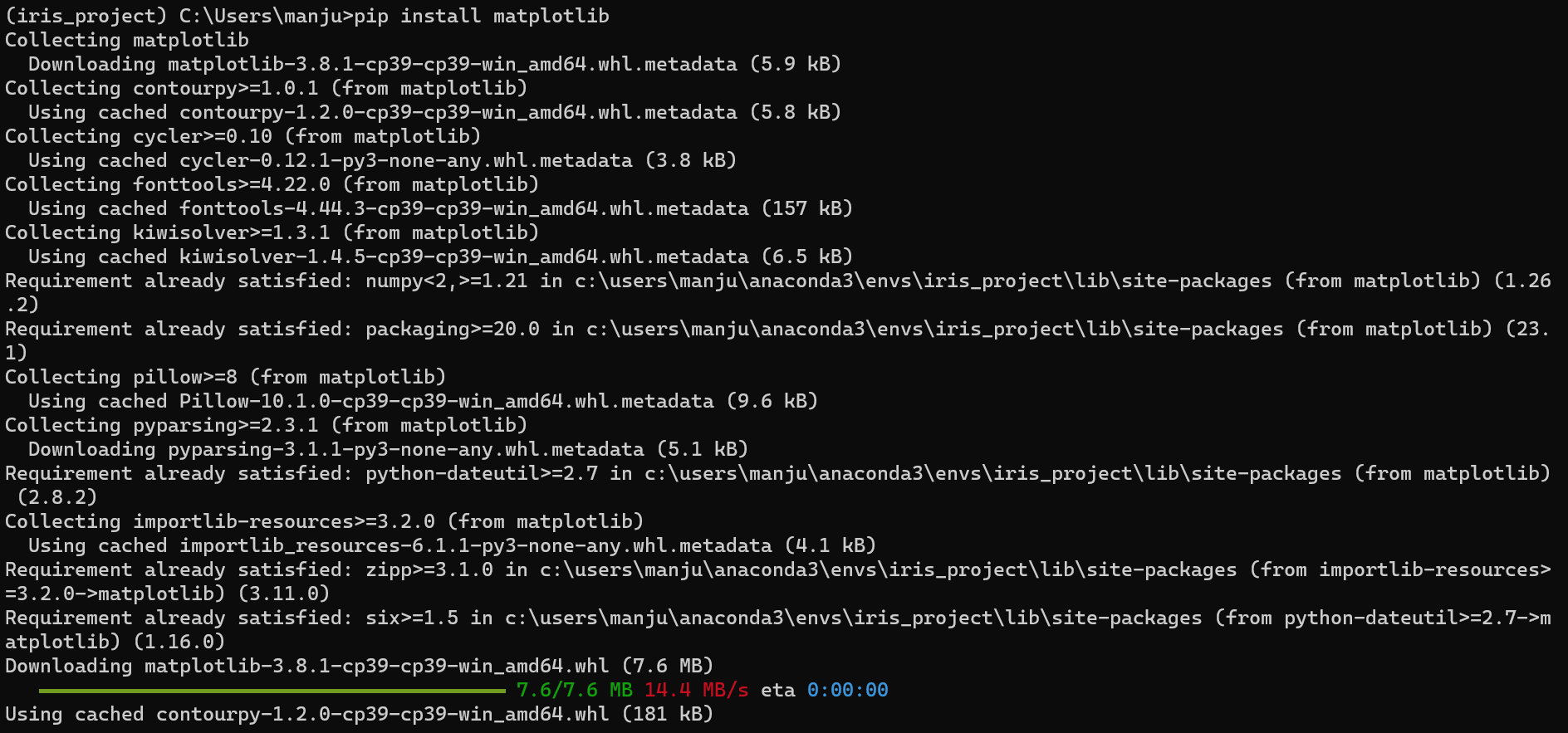
Step: 7 Installing Libraries

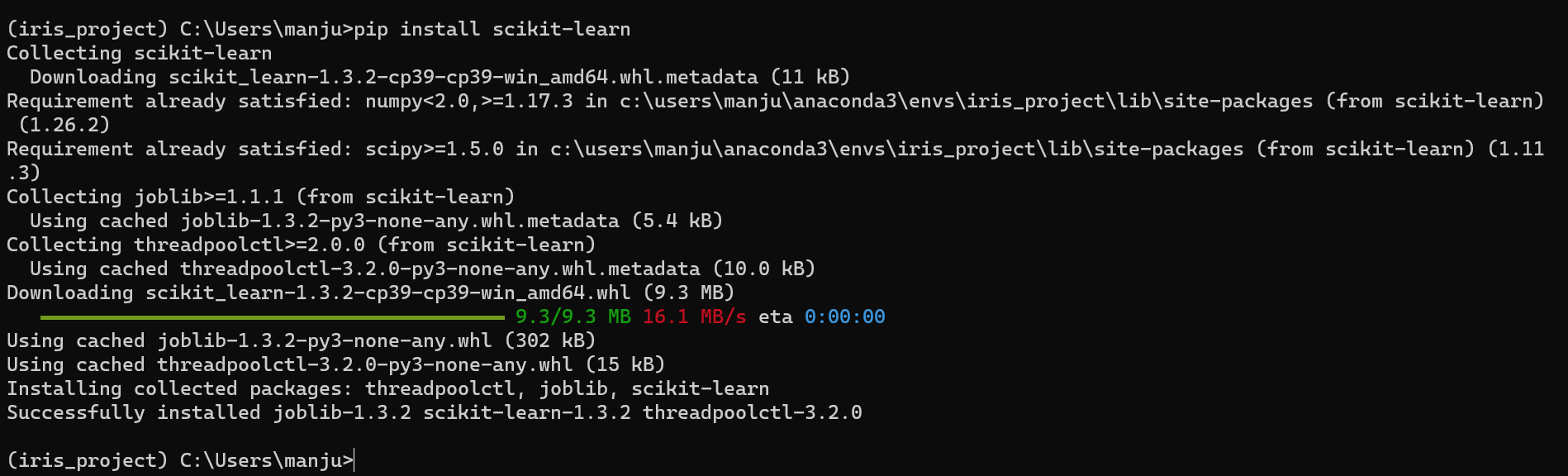




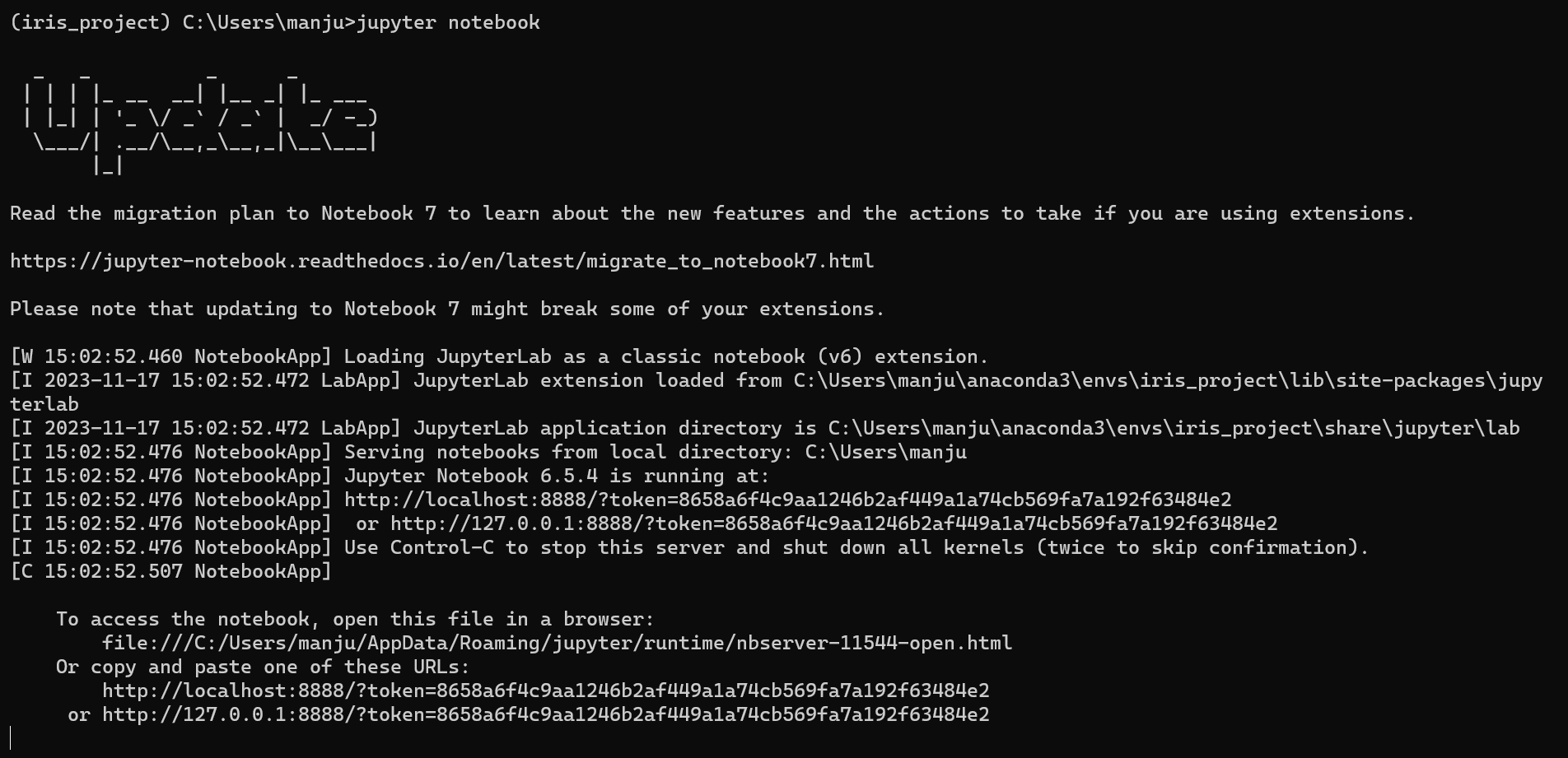


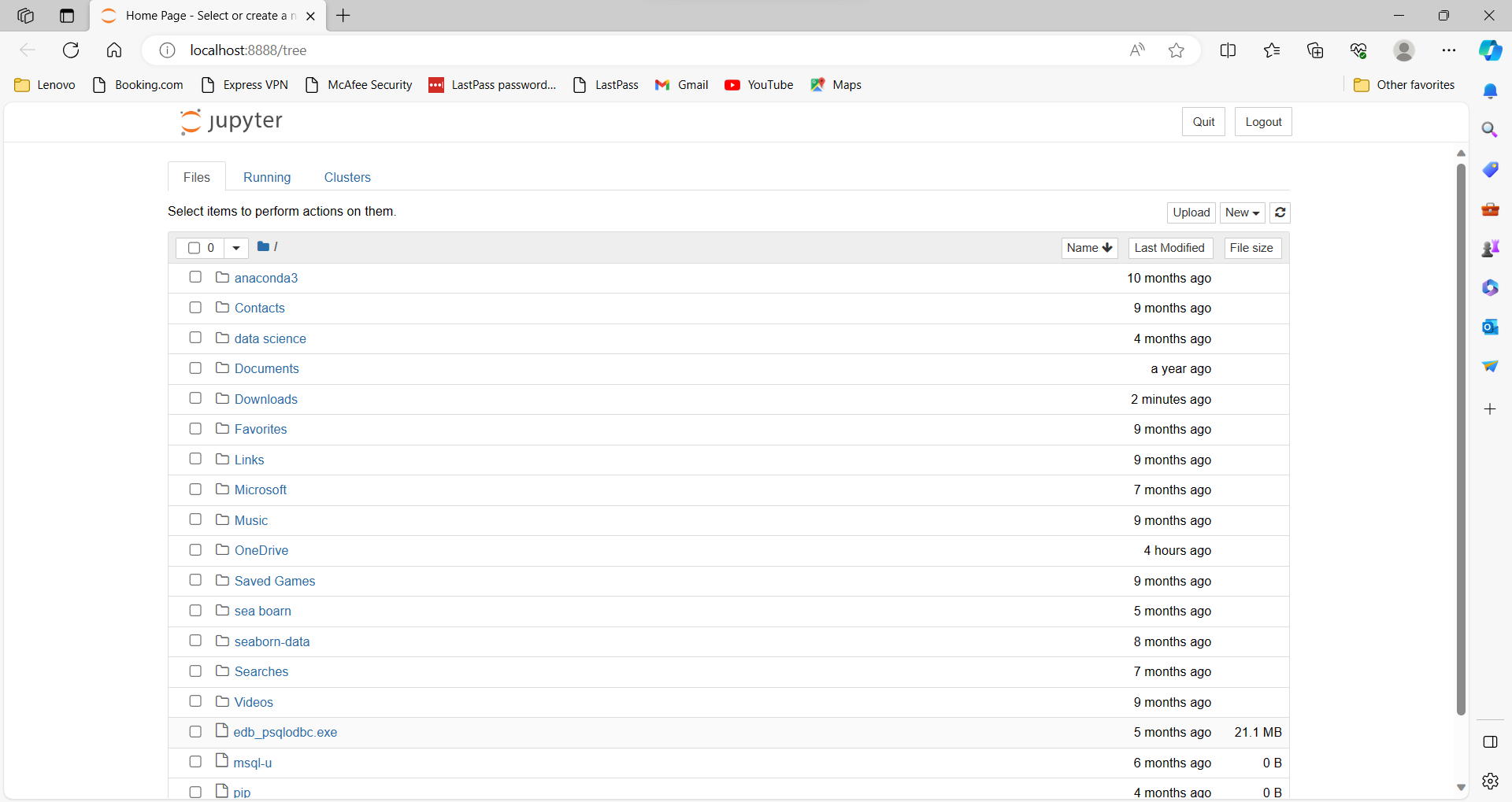






Step : 8 Open Jupyternotebook



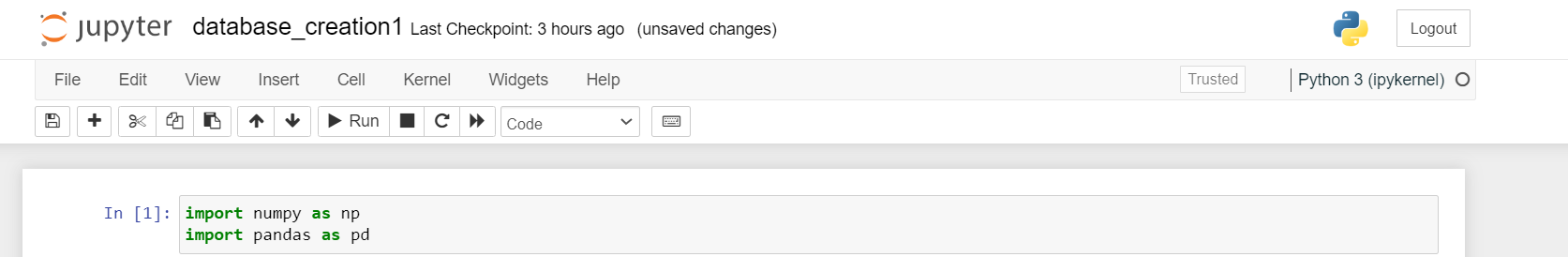


Project begin from here:

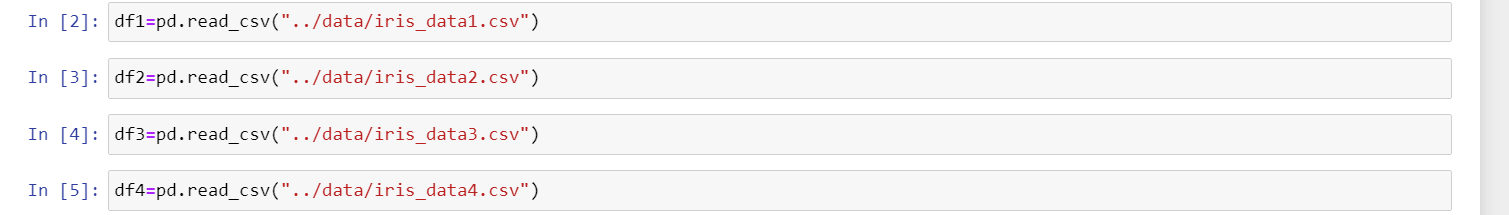
Folder N ame: Database \_creation 1

Step: 1

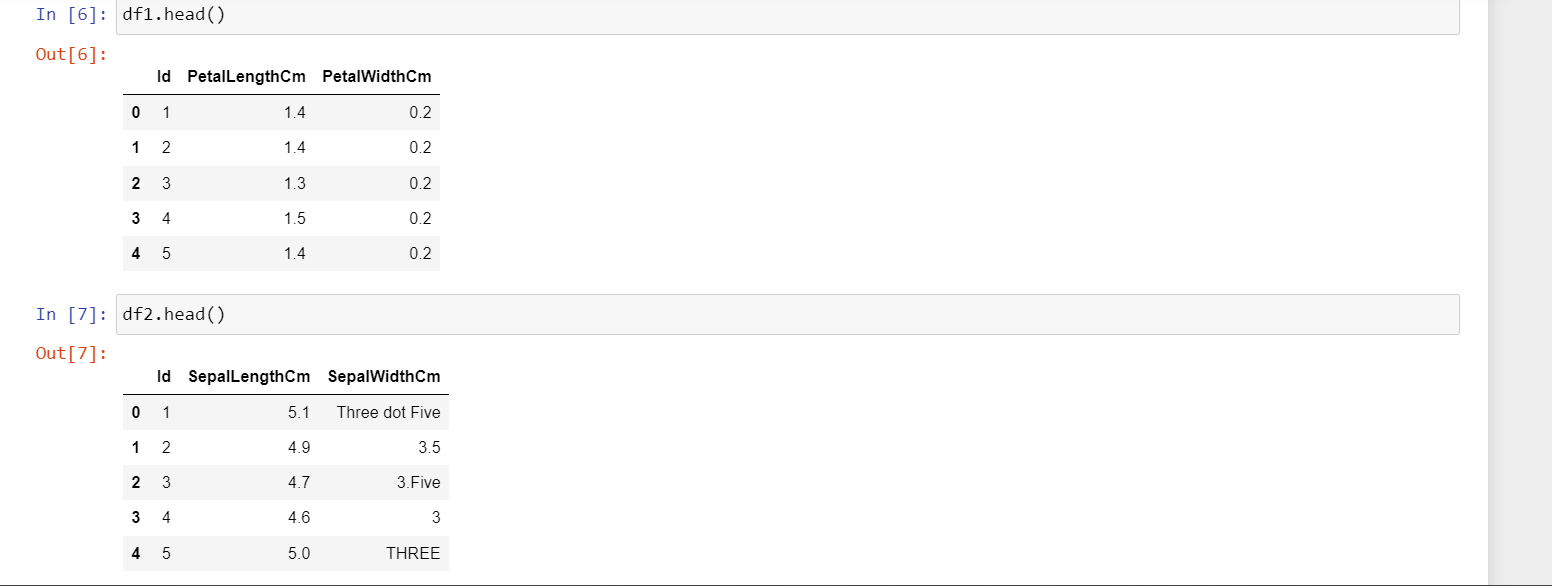
Importing Libraries

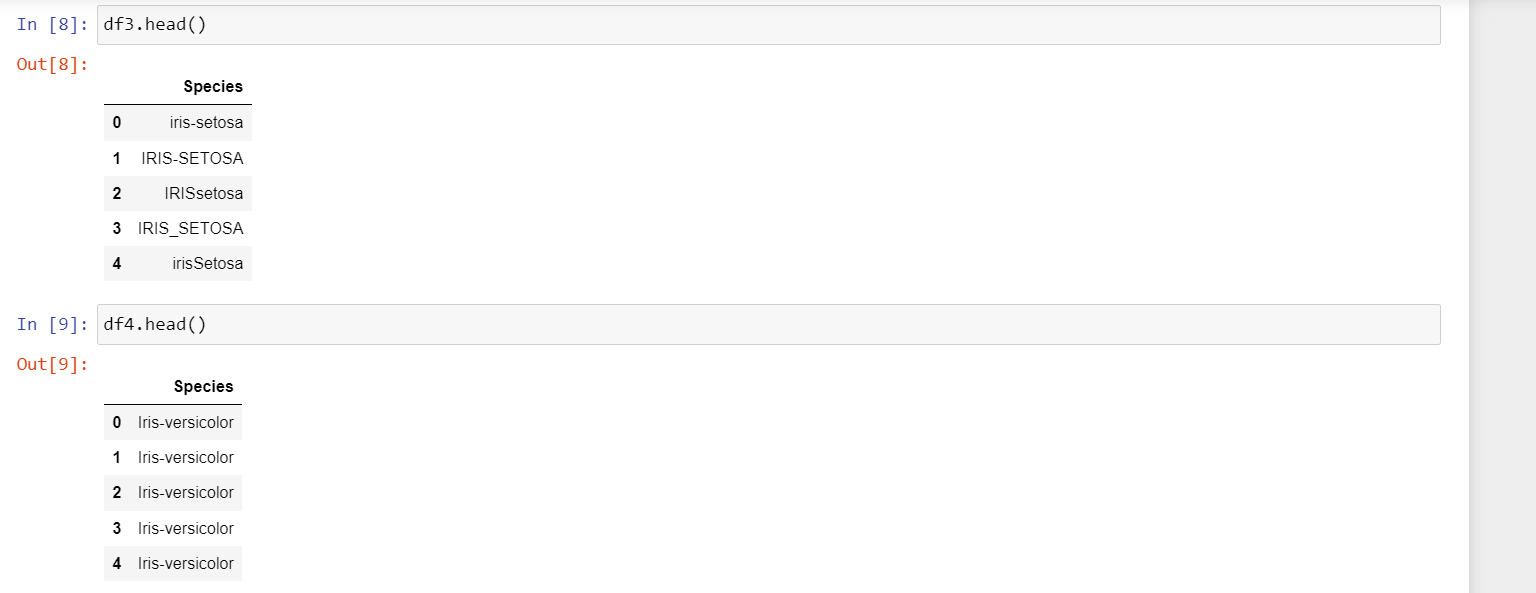


Step: 2 Loading CSV files



Step: 3 Head



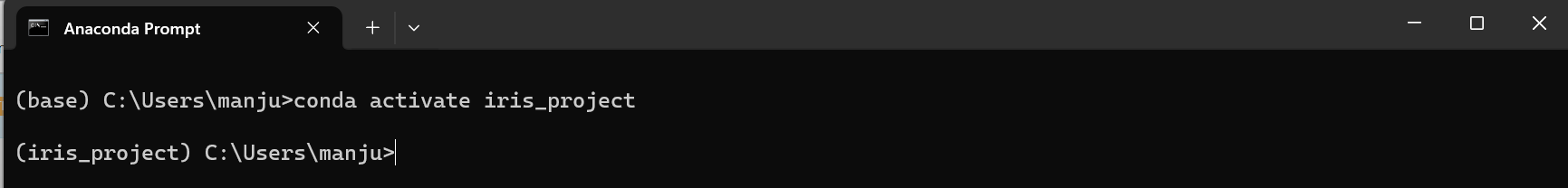


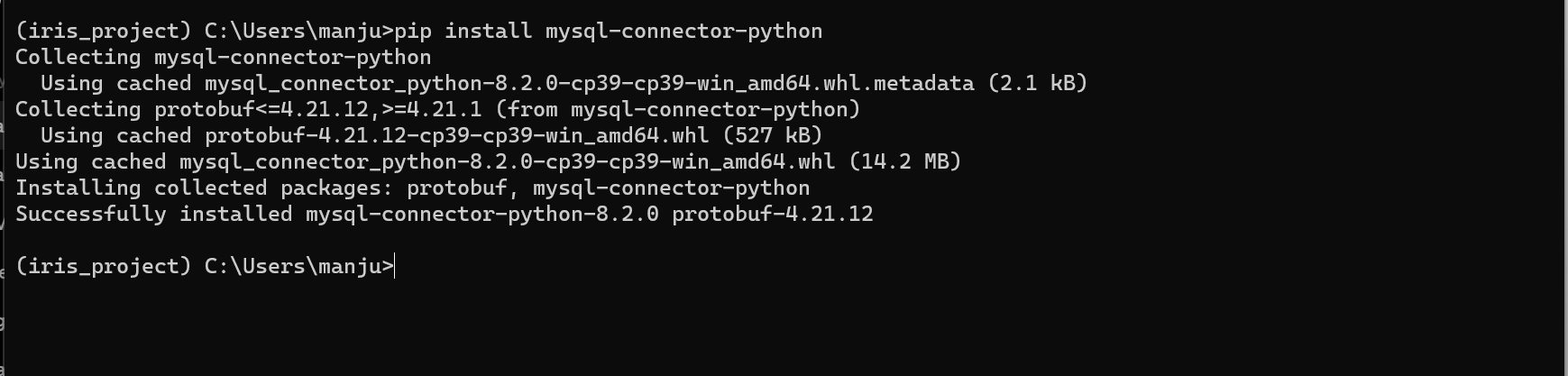
Step: 4 Connecting to My SQL



Step: 5

Here we did not install my SQL library so we got a error to retify the error we have to open again anaconda prompt and install the library





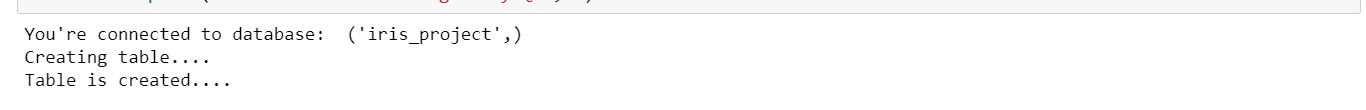
Step: 6

Again clear the output and restart the kernel here we sort the error



Step: 7

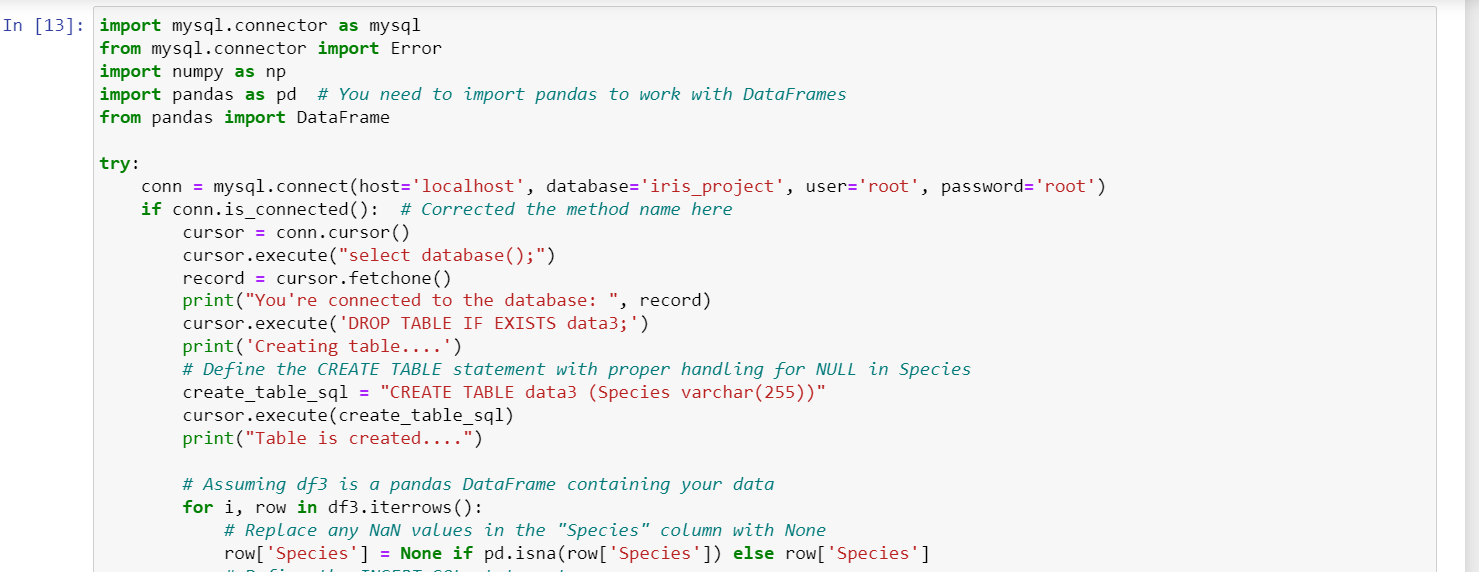




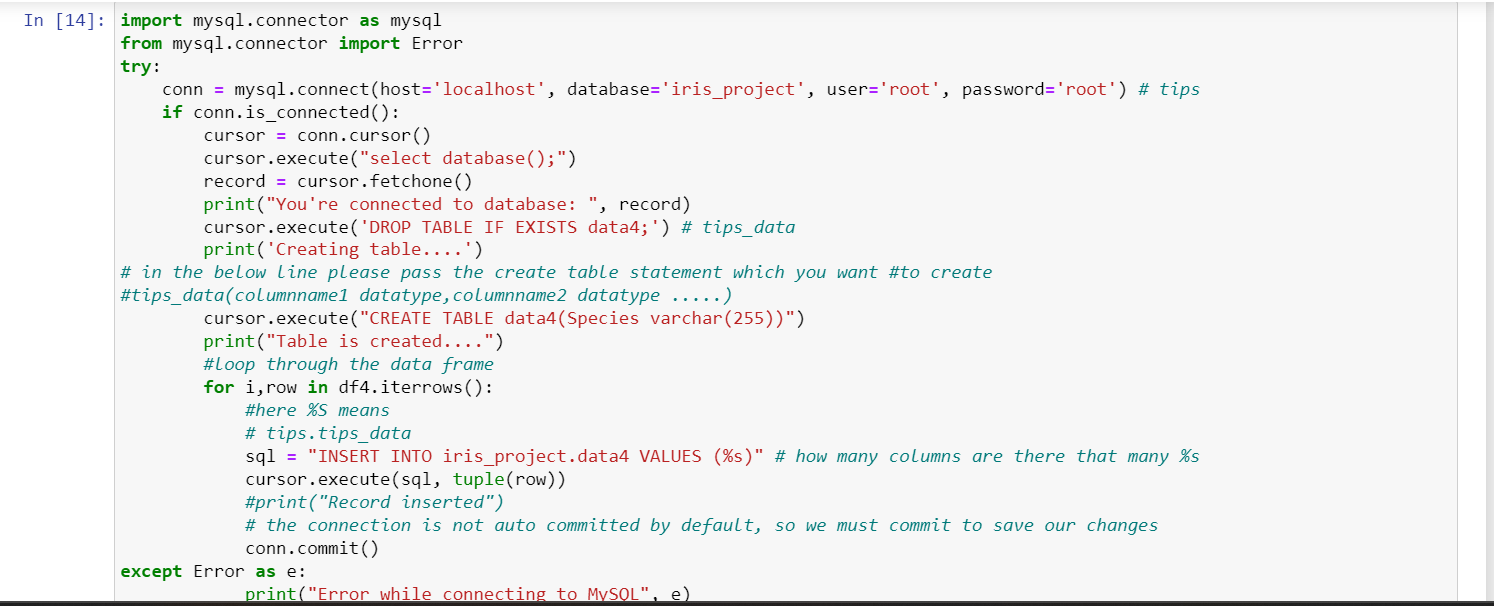
Step: 8



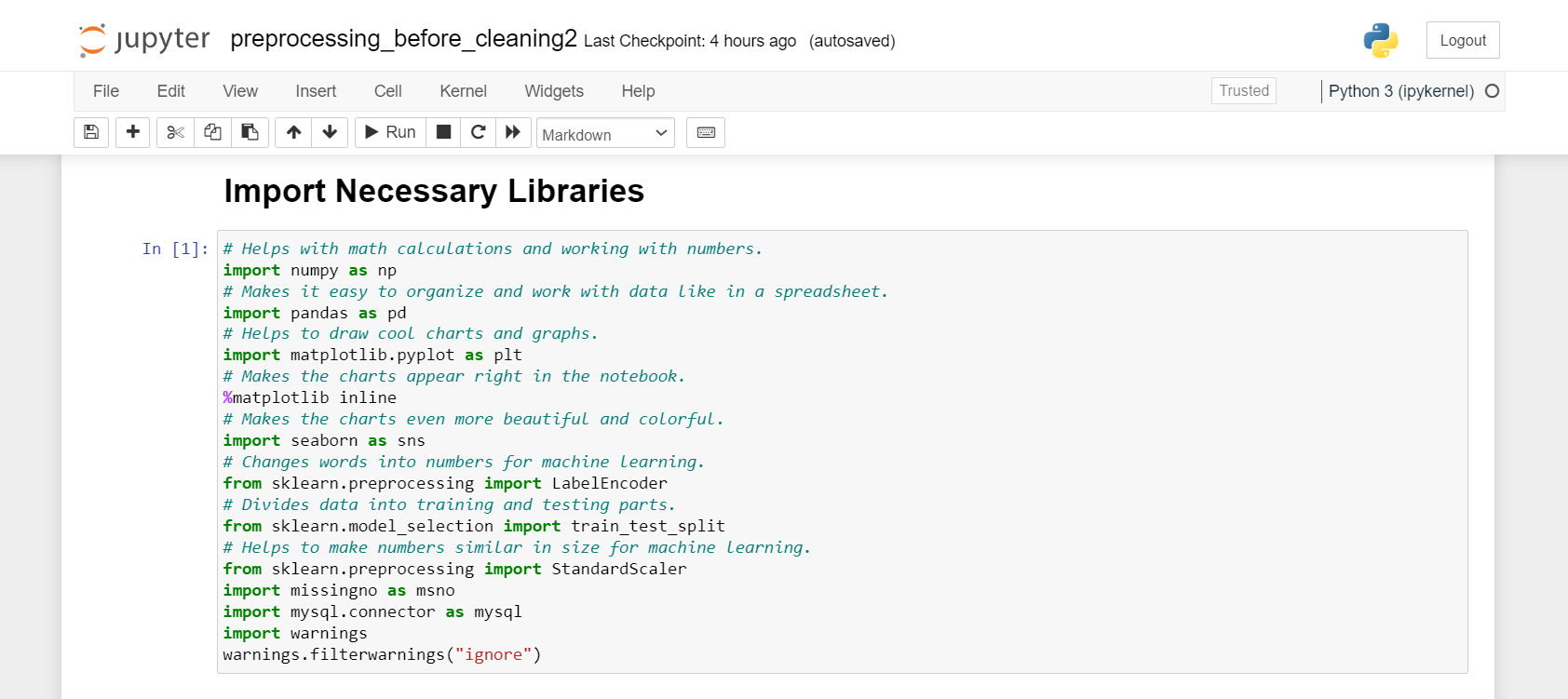


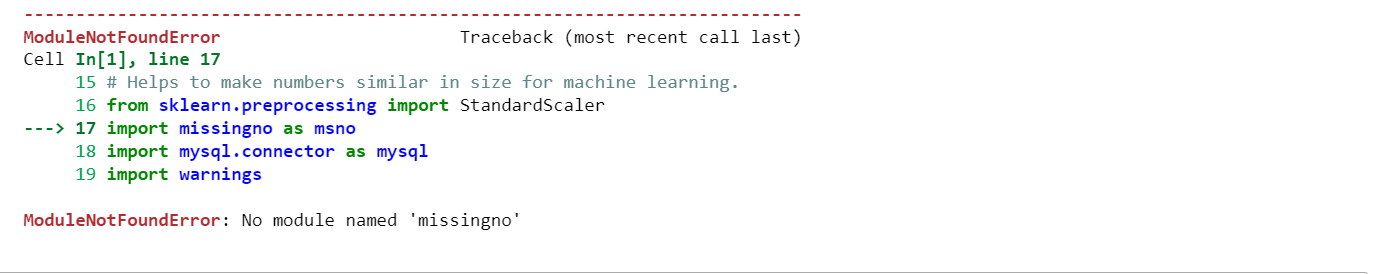




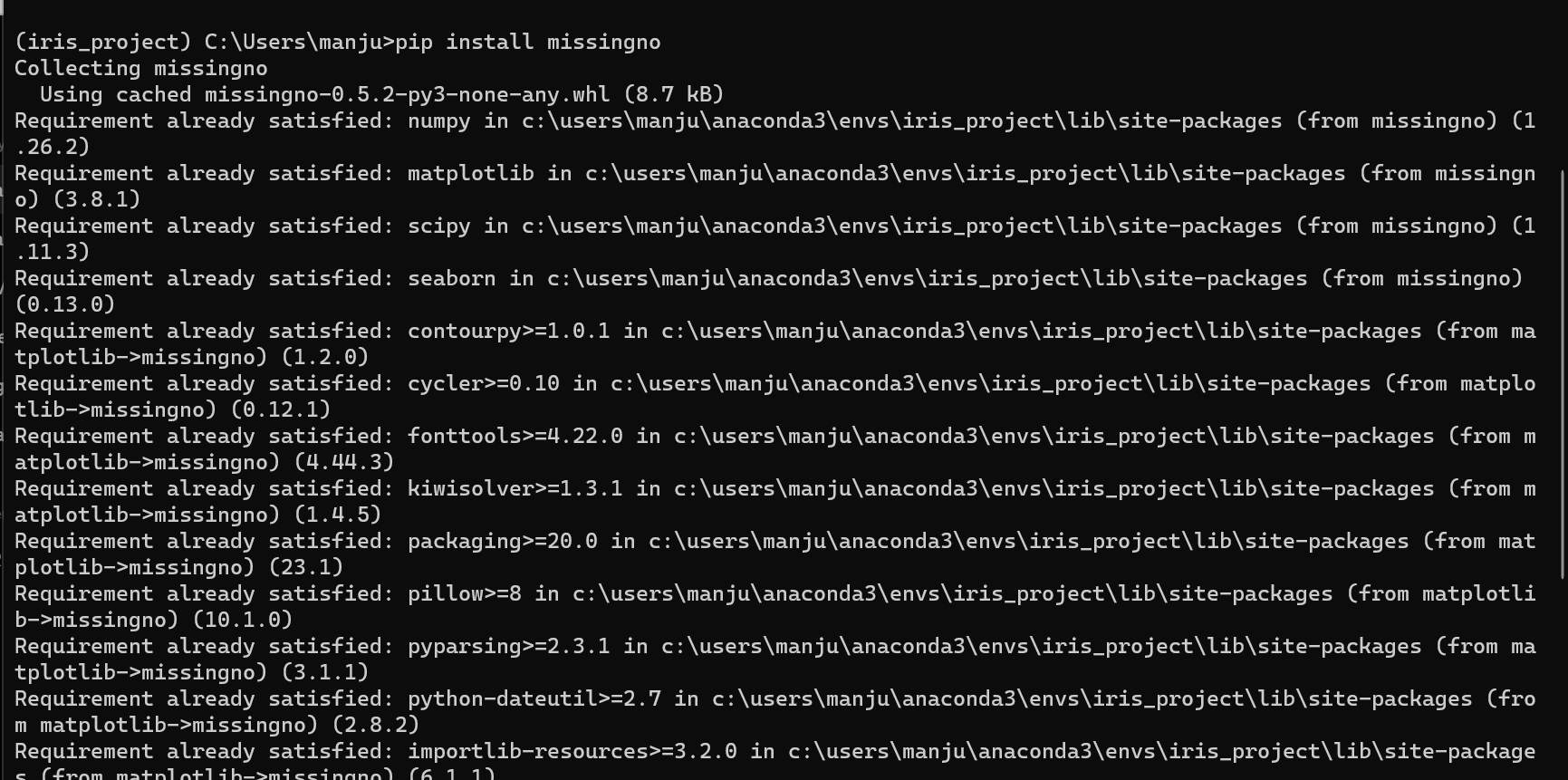


Next Folder Name: Pre processing \_before\_ cleaning 2

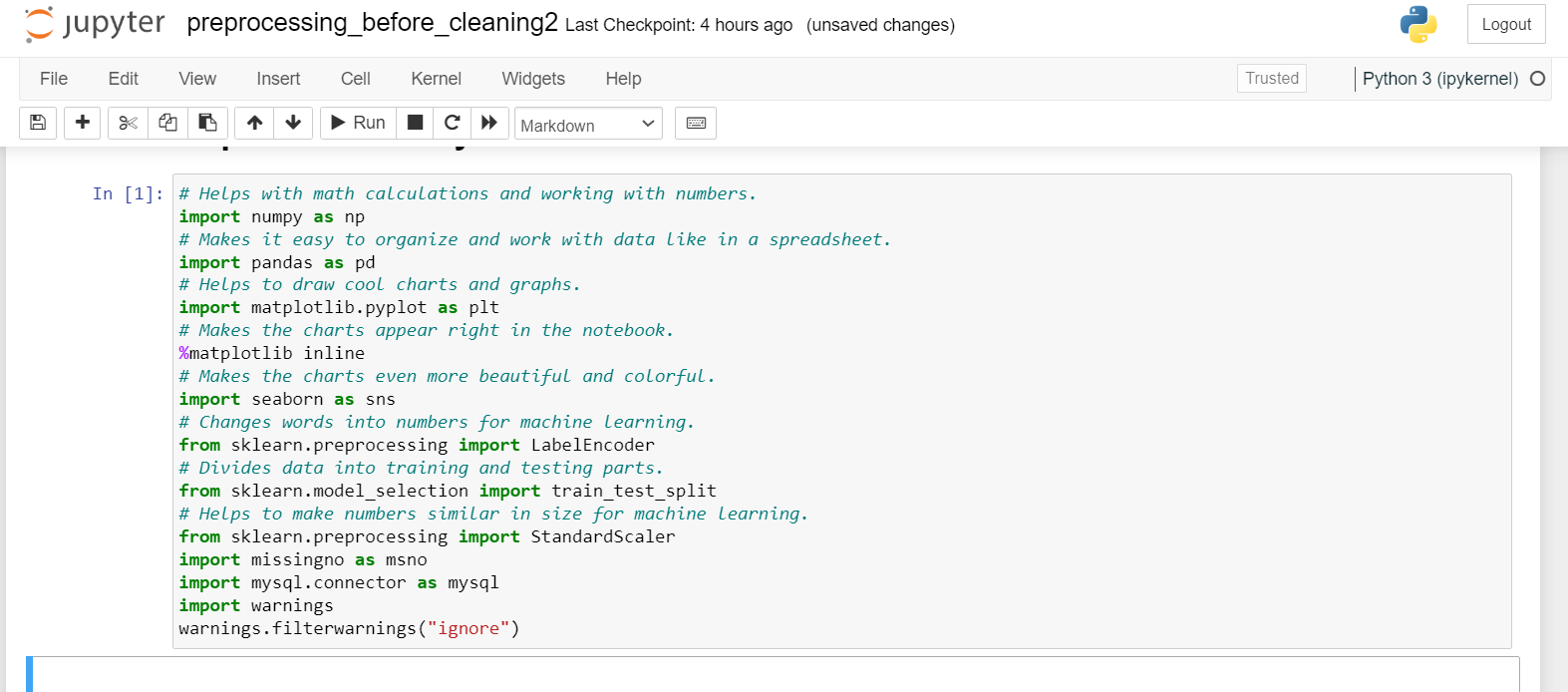




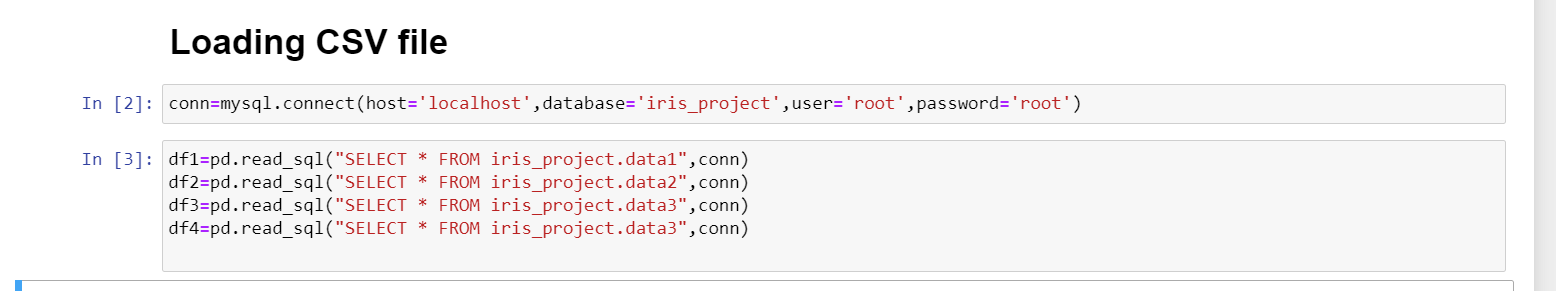
Again same process



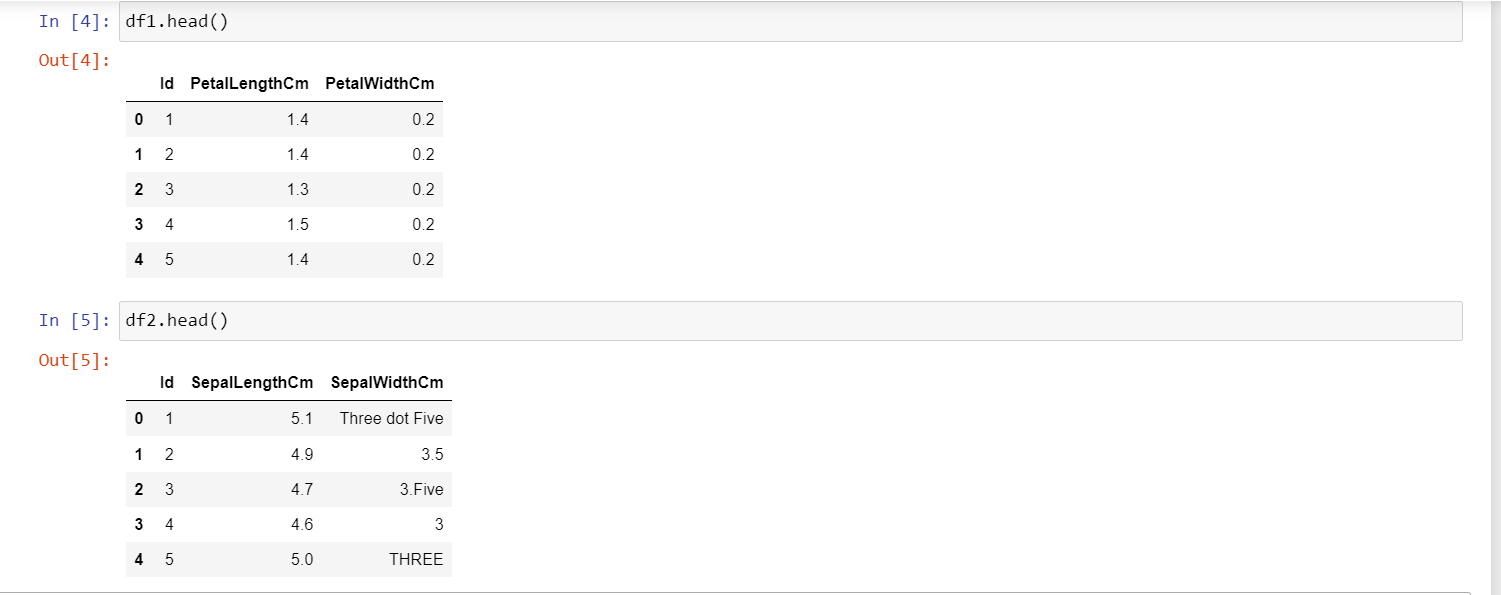
Step: R1 Importing libraries

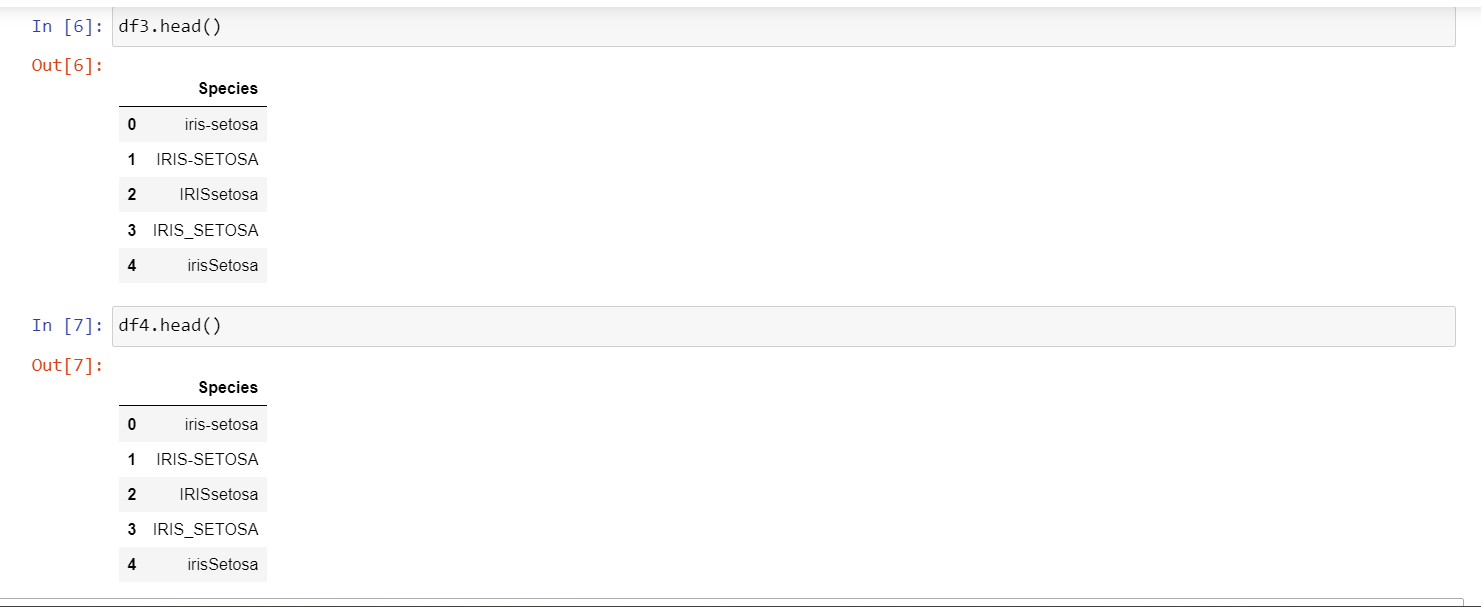


Step: 2 Loading CSV file

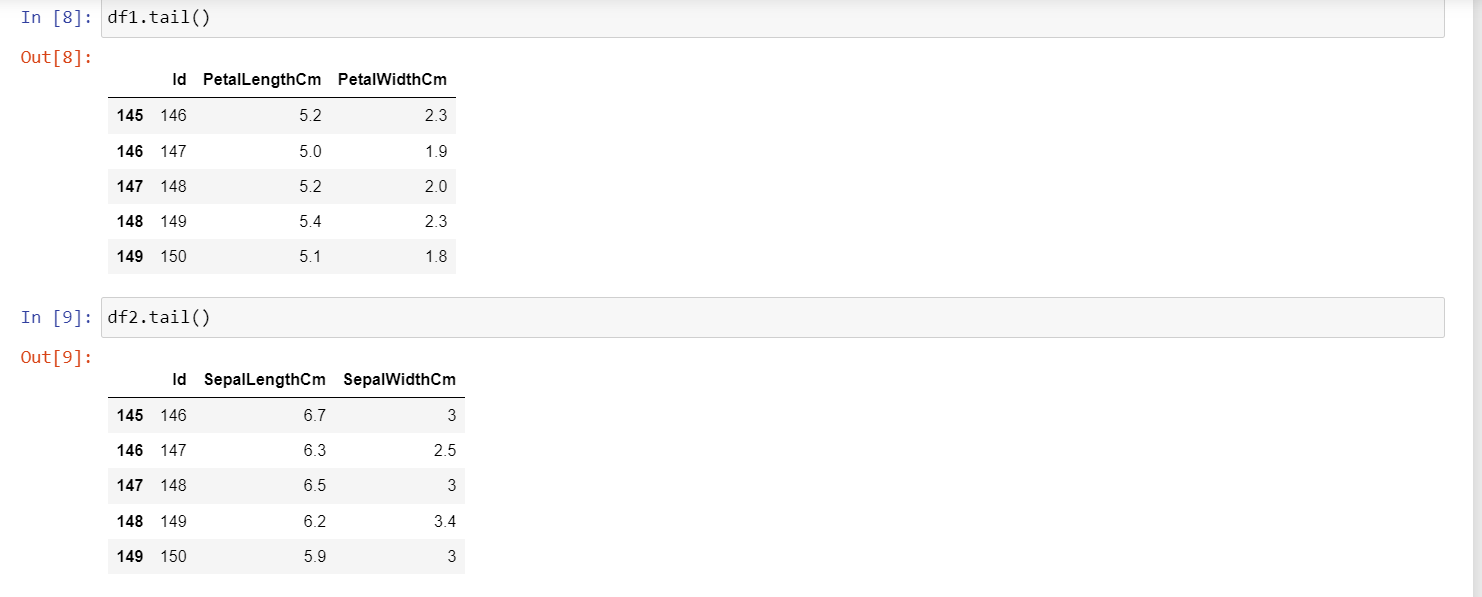


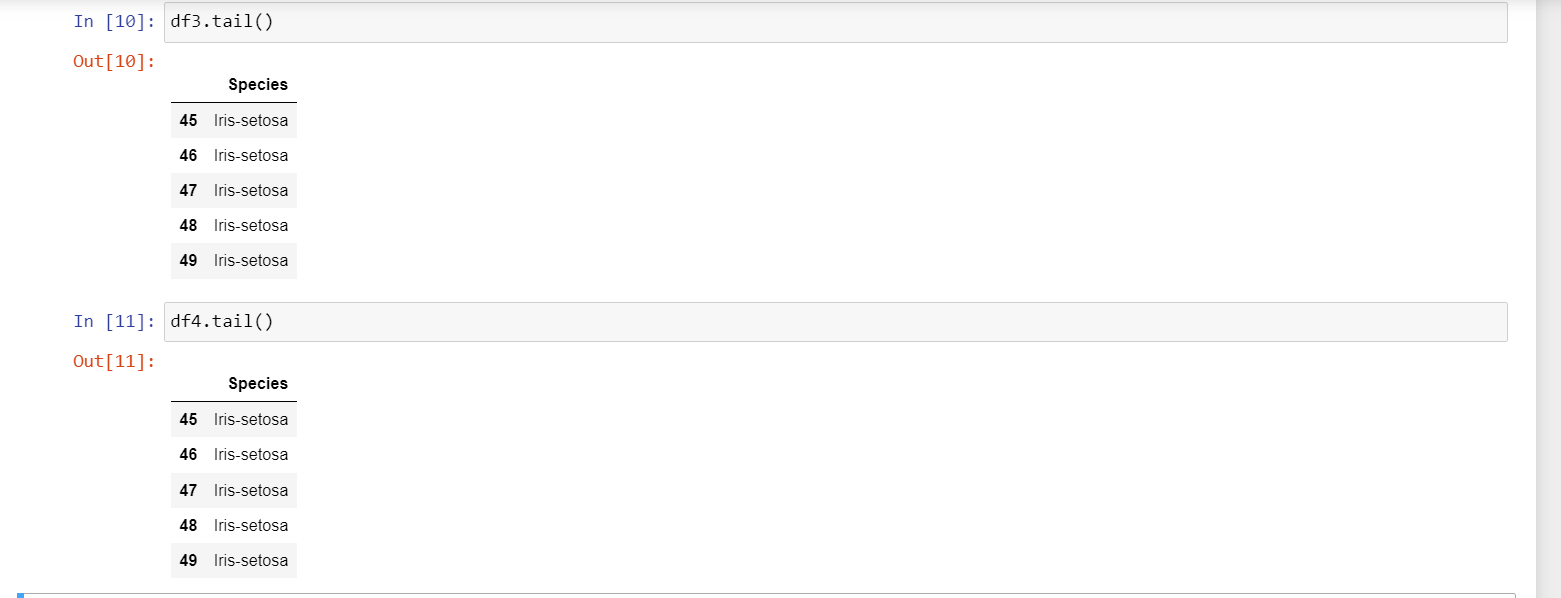
Step: 3 Head



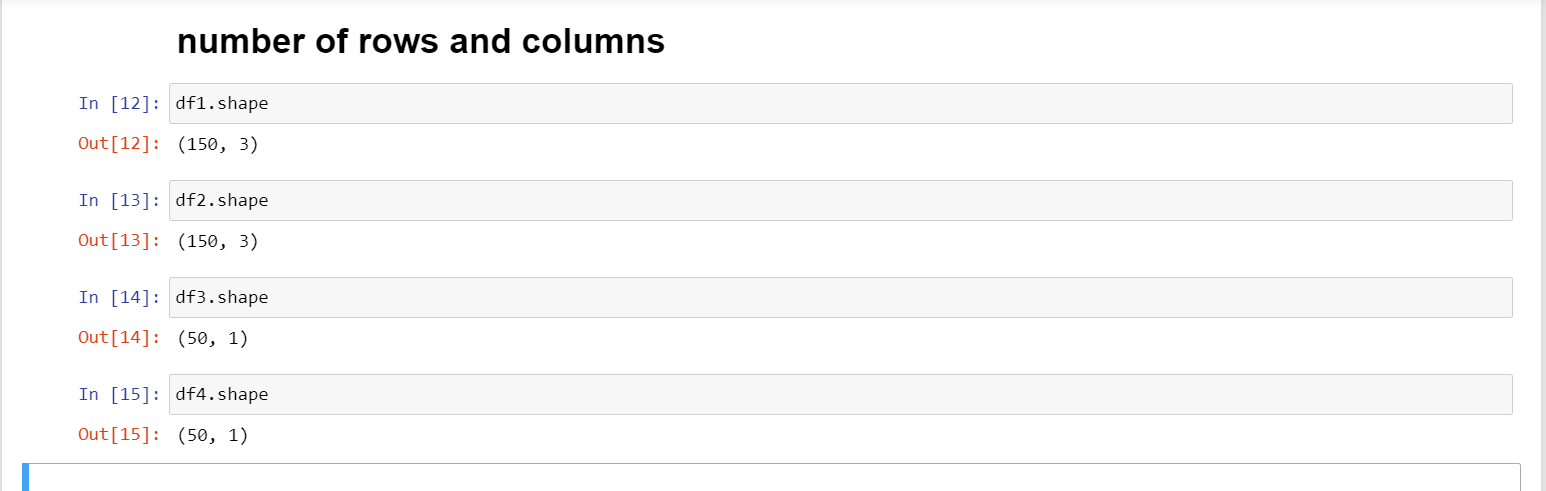


Step: 4 Tail

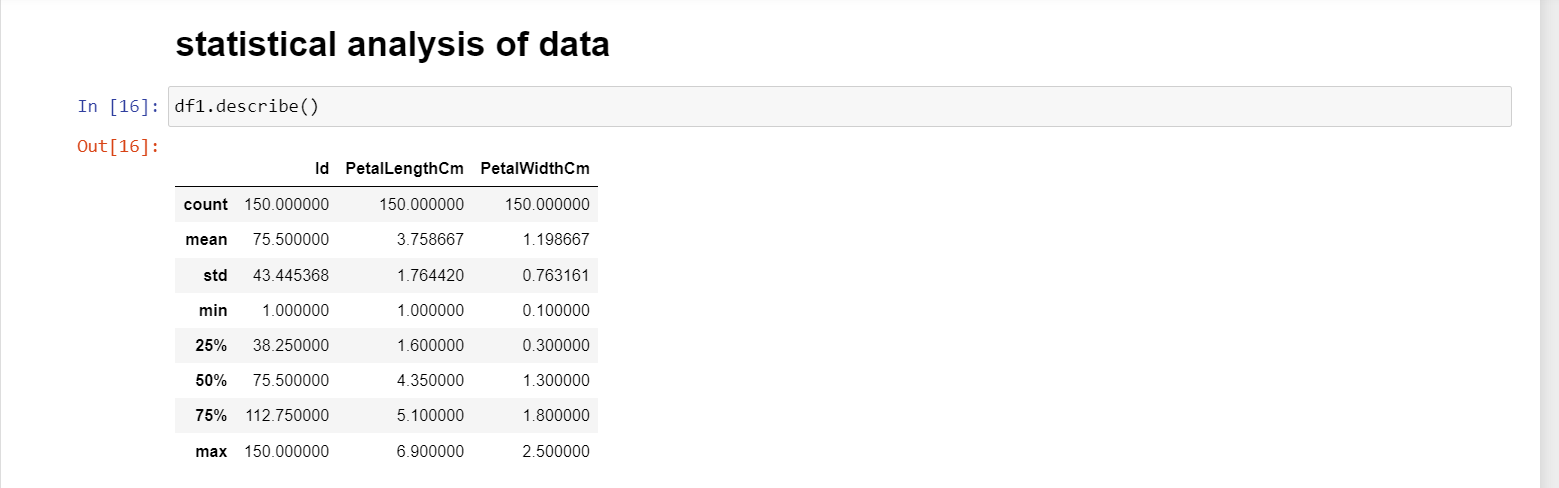


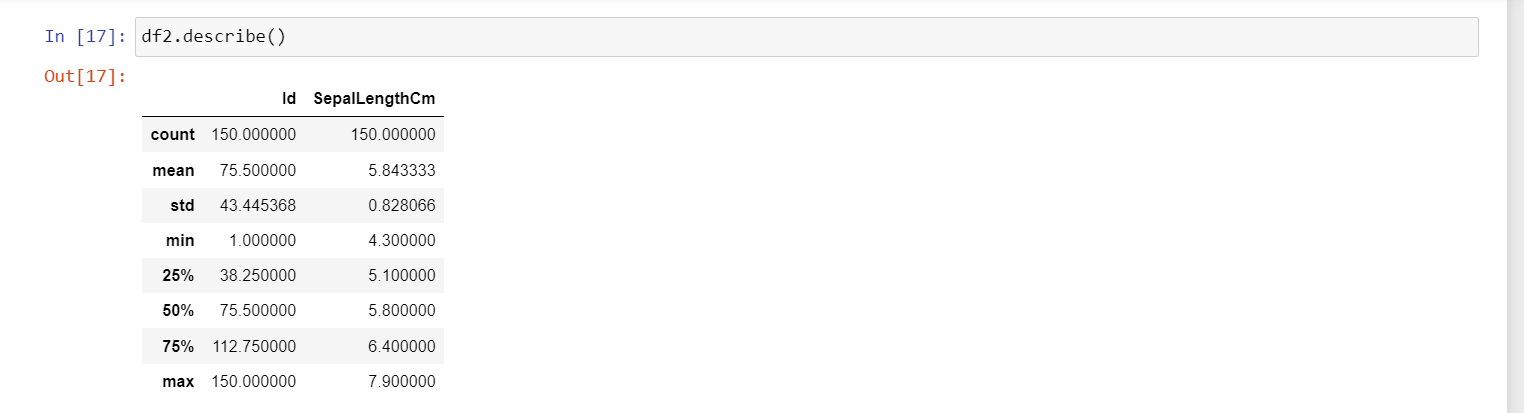


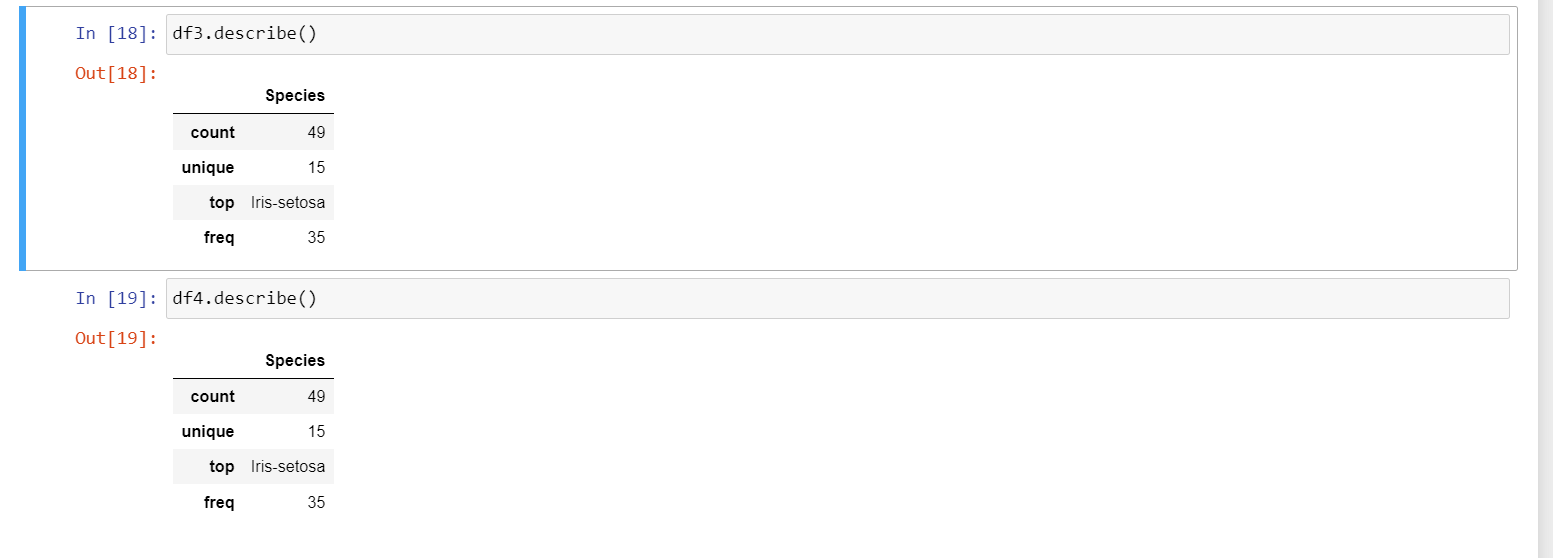
Step: 5 Shape of both Columns & Rows



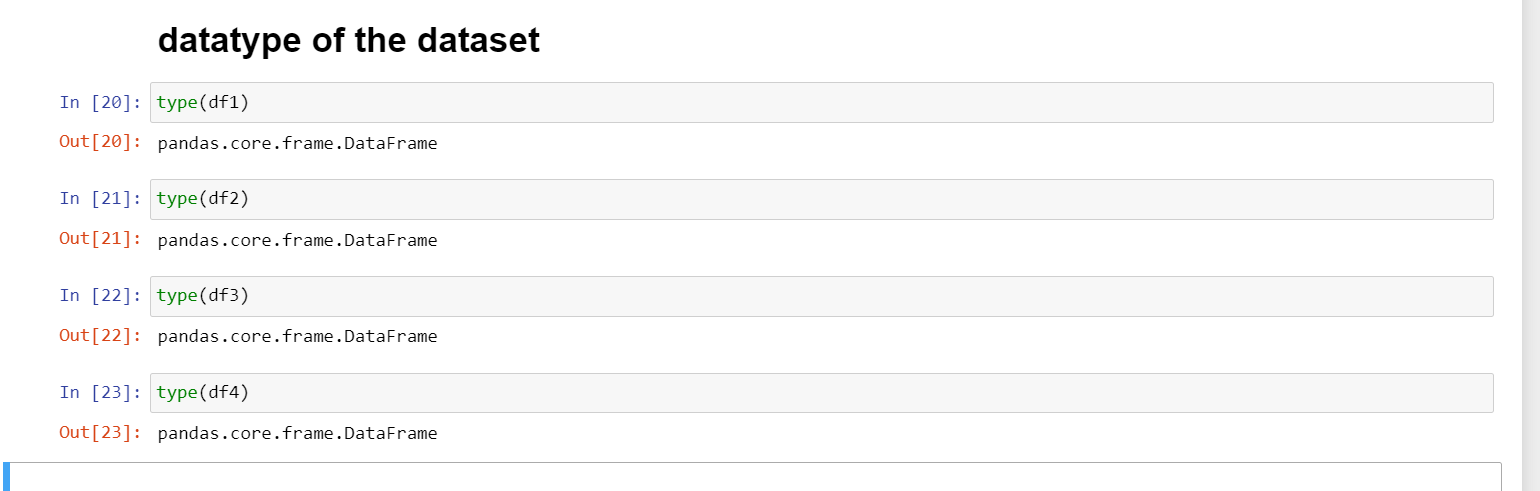
Step: 6 Describing Statistical Analysis of Data



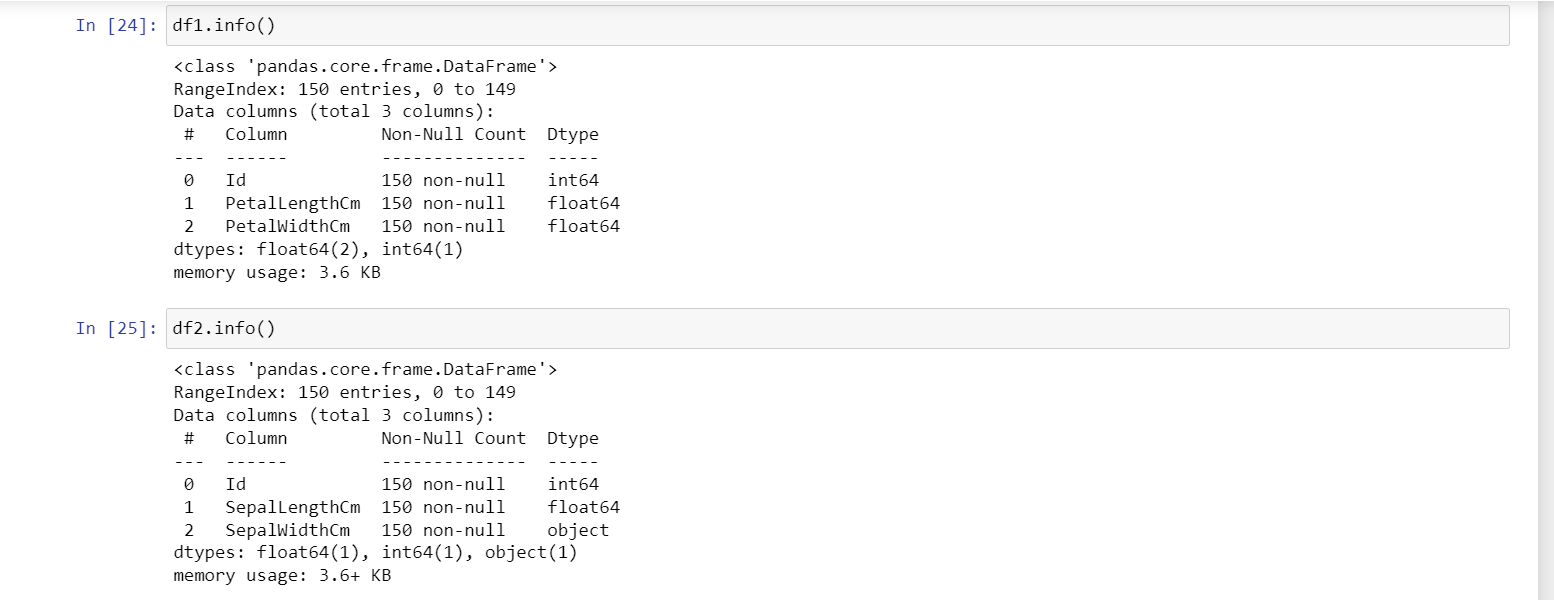


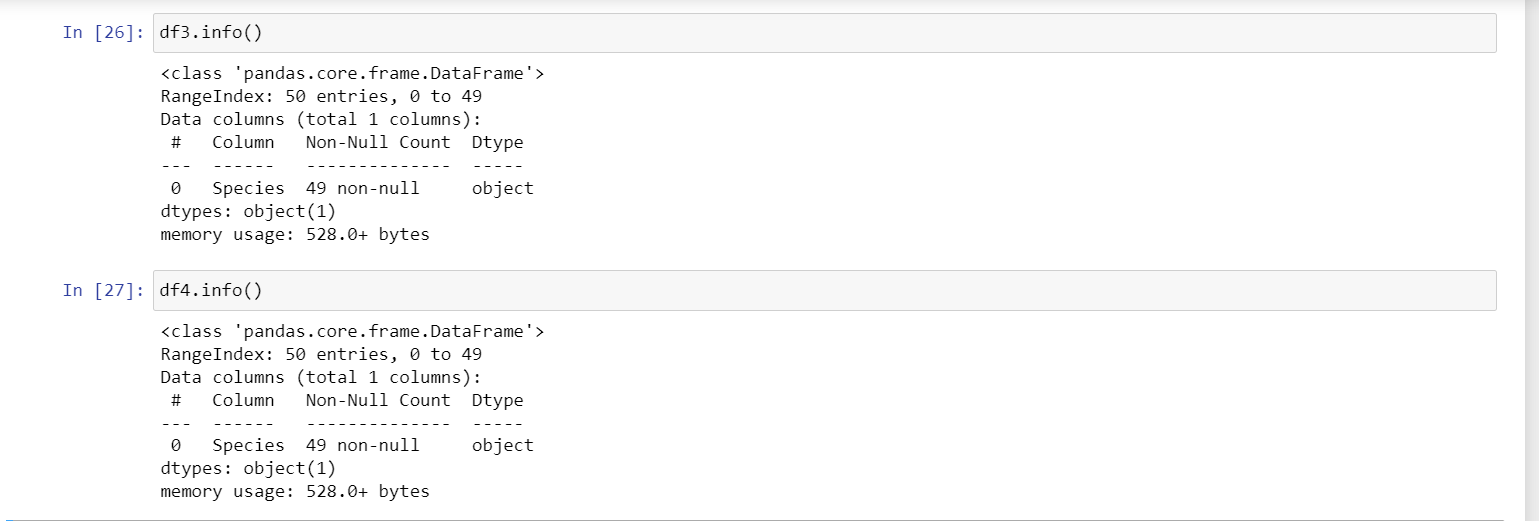


Step: 7 Finding Data type of Dataset



Step: 8 Information about Dataset

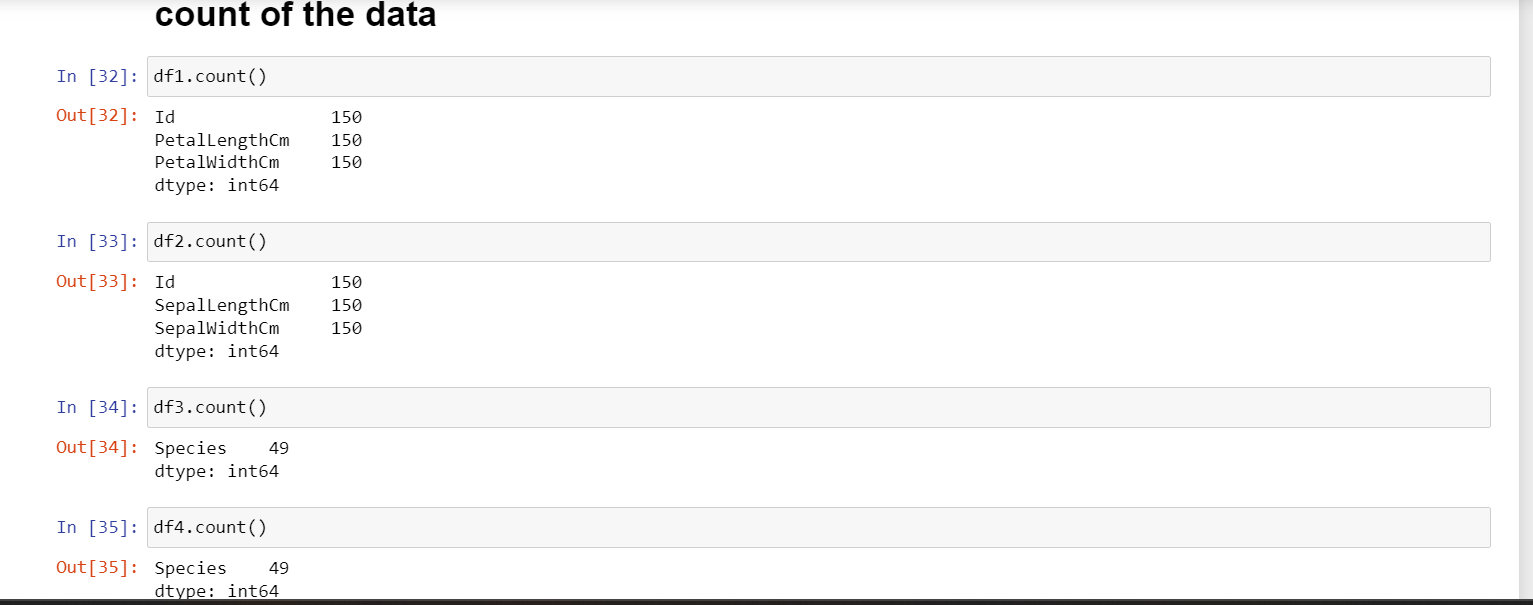




Step: 9 Displaying Columns of dataset



Step: 10 Count of the data



Step: 11 Finding Null Values



Step: 12 Finding d types

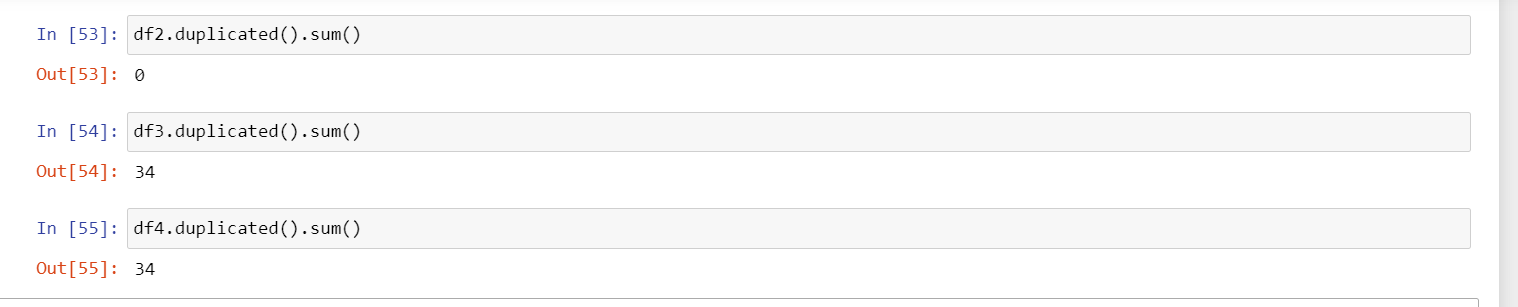


Step: 13 Finding no. of Dimensions



Step: 14 Finding Duplicates

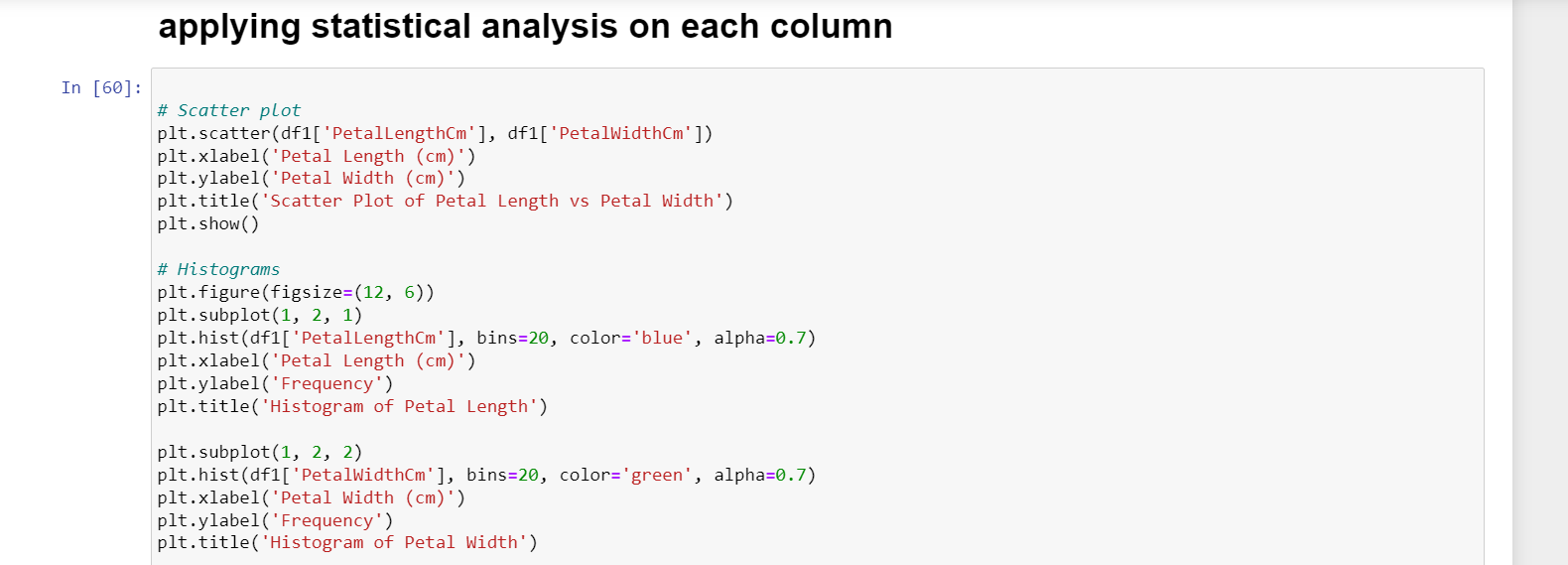




Step: 15 Finding Unique Values



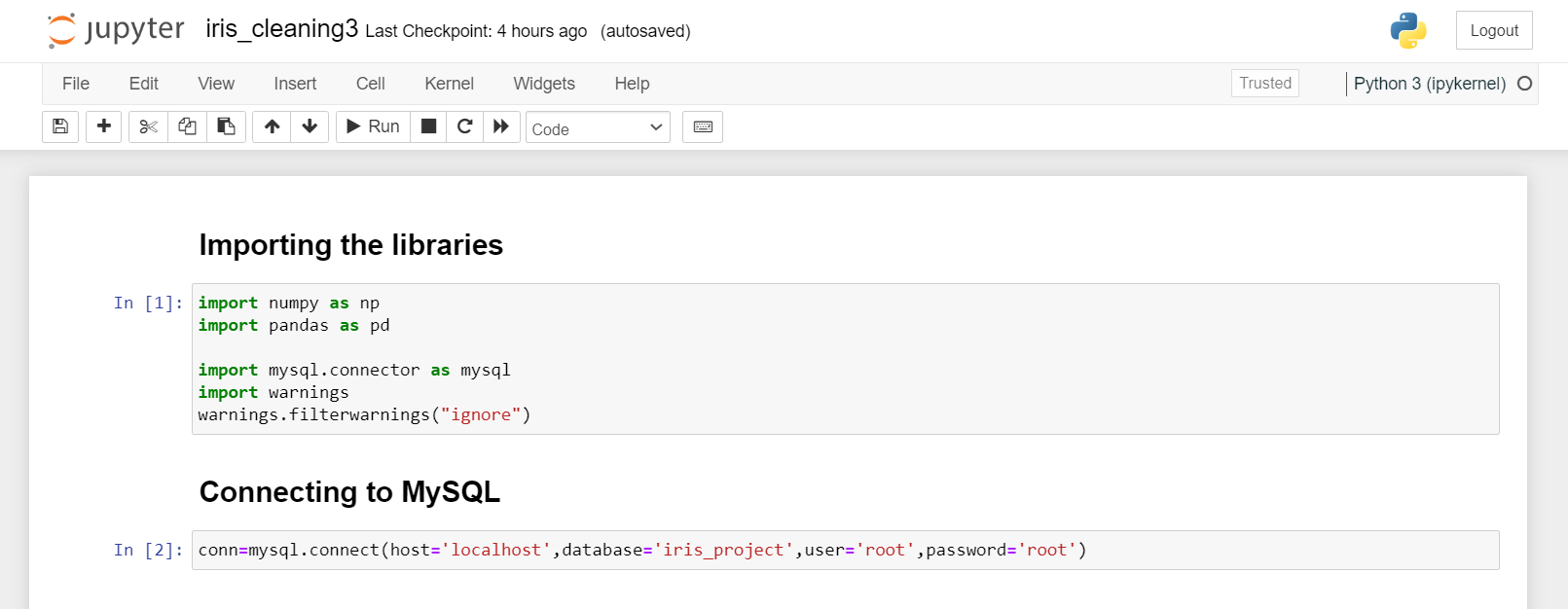
Step: 16 Statistical Analysis Plotting Graphs



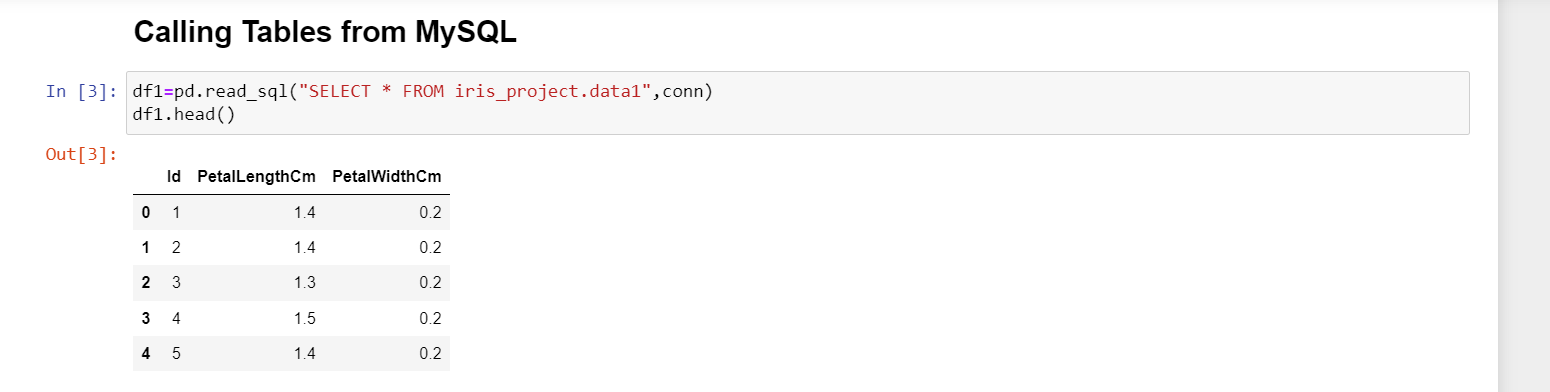


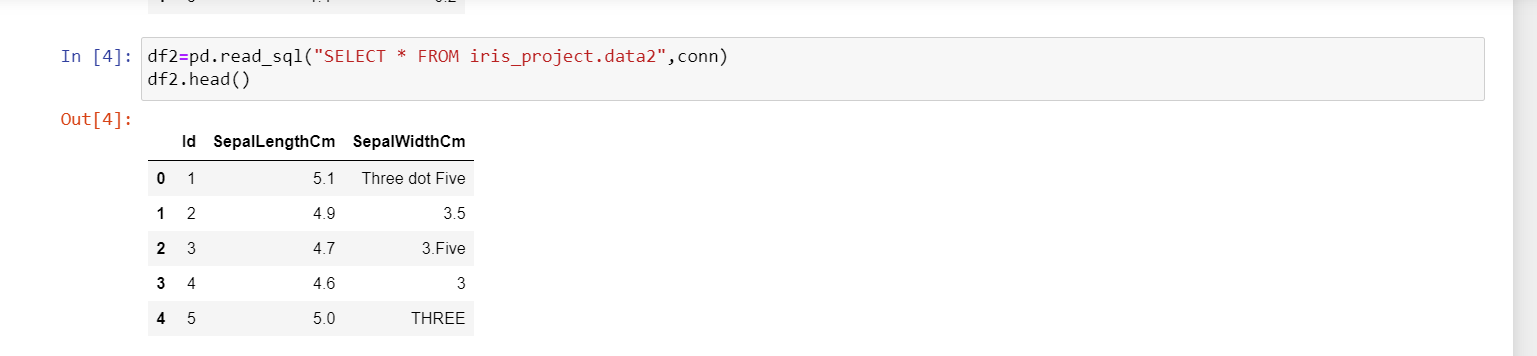
Next Folder Name: iris\_cleaning3

Step: 1 Importing Libraries & Connecting to MYSQL

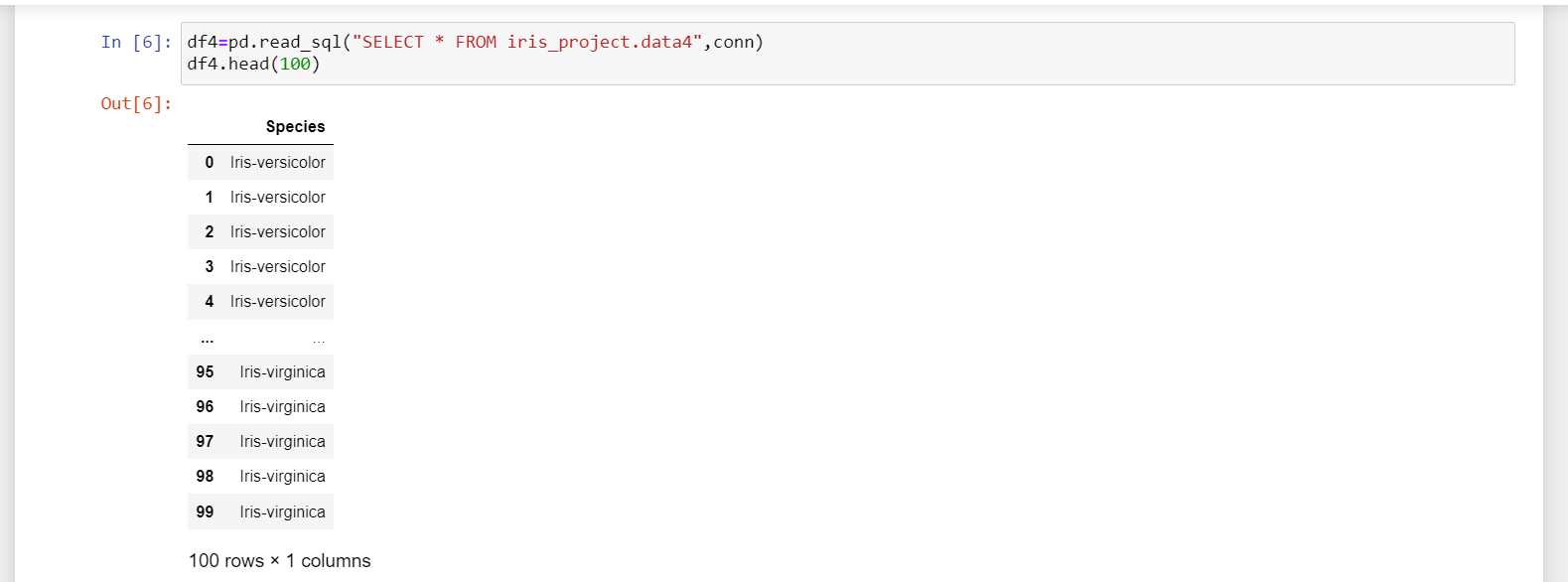


Step:3 Calling Head from MYSQL





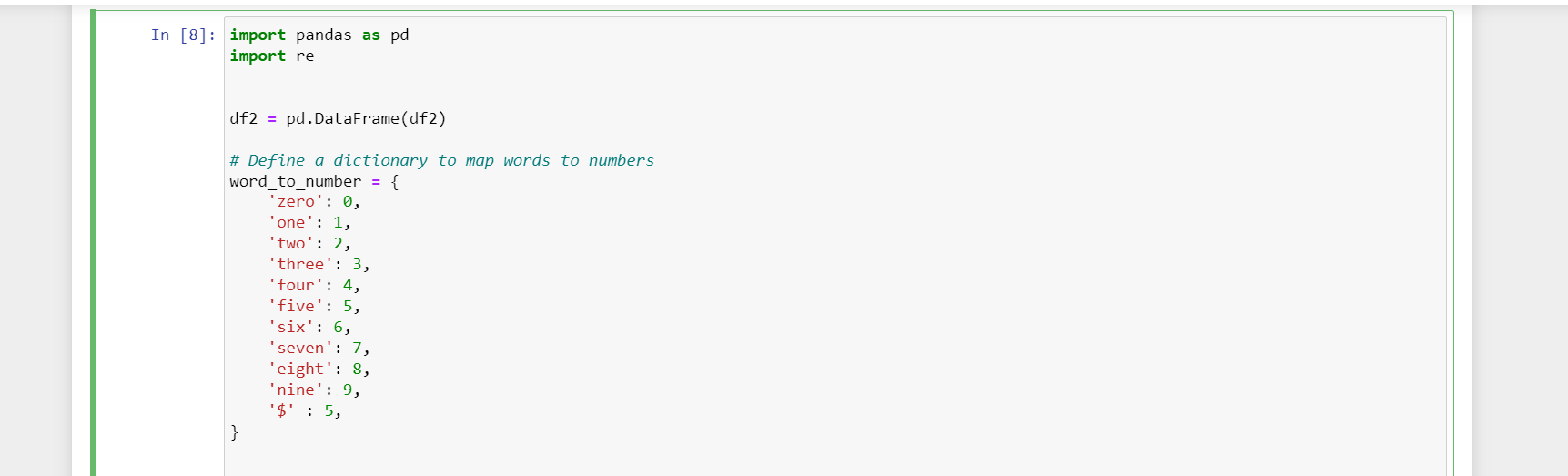


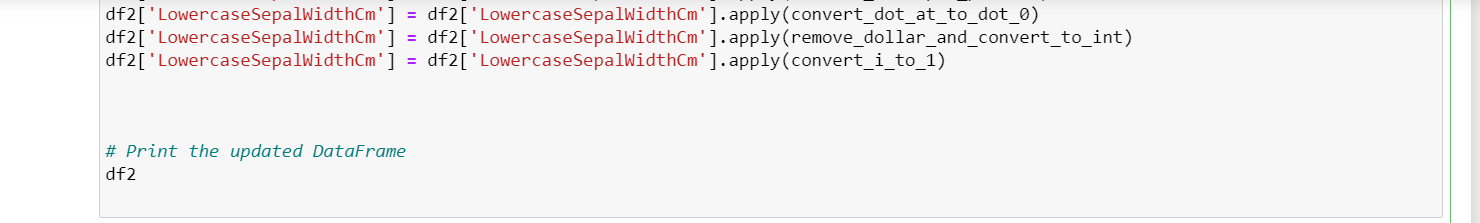


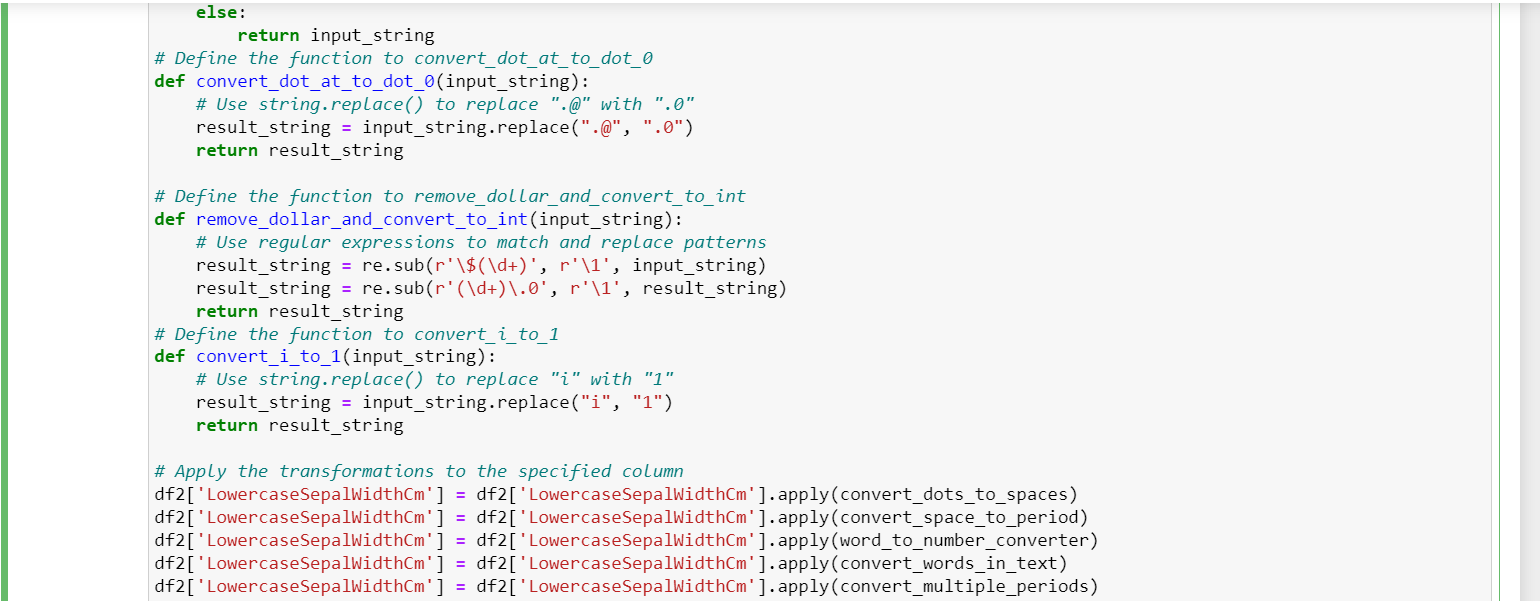
Step: 4 Data Cleaning

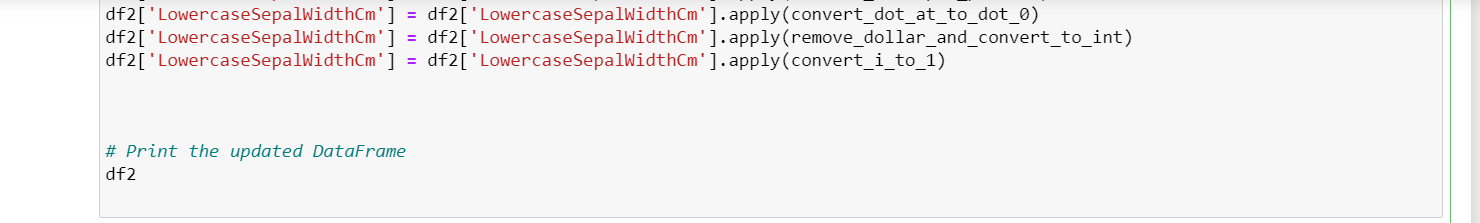


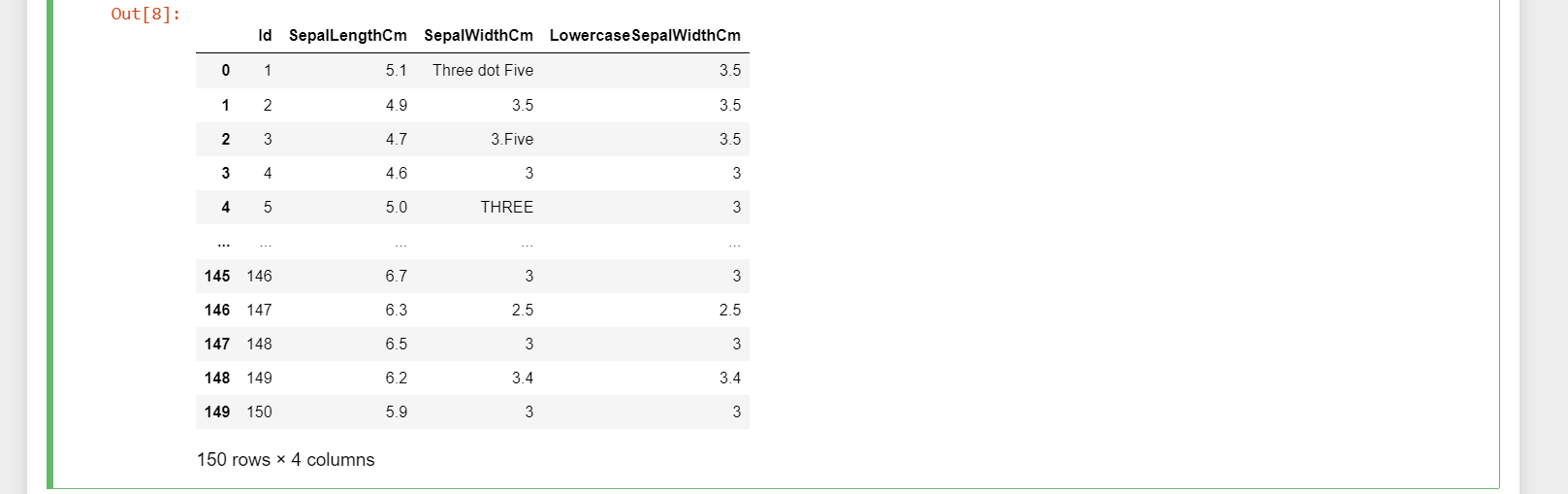




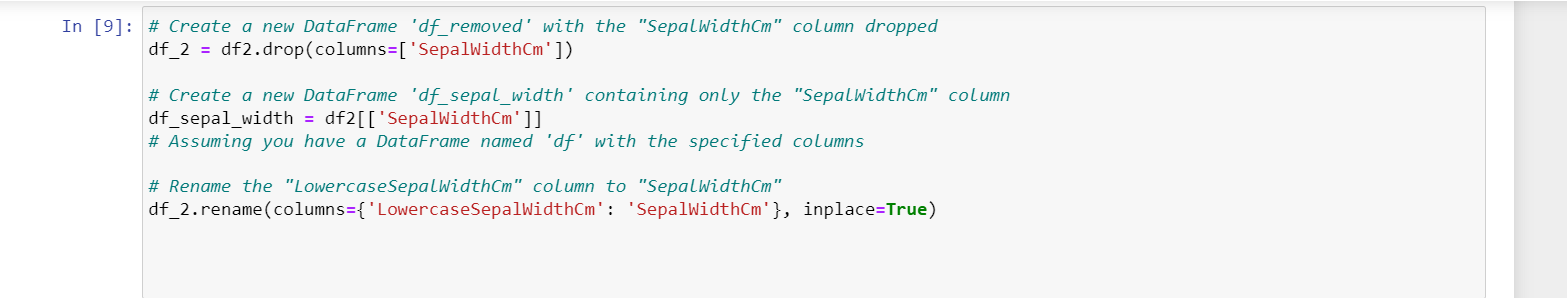


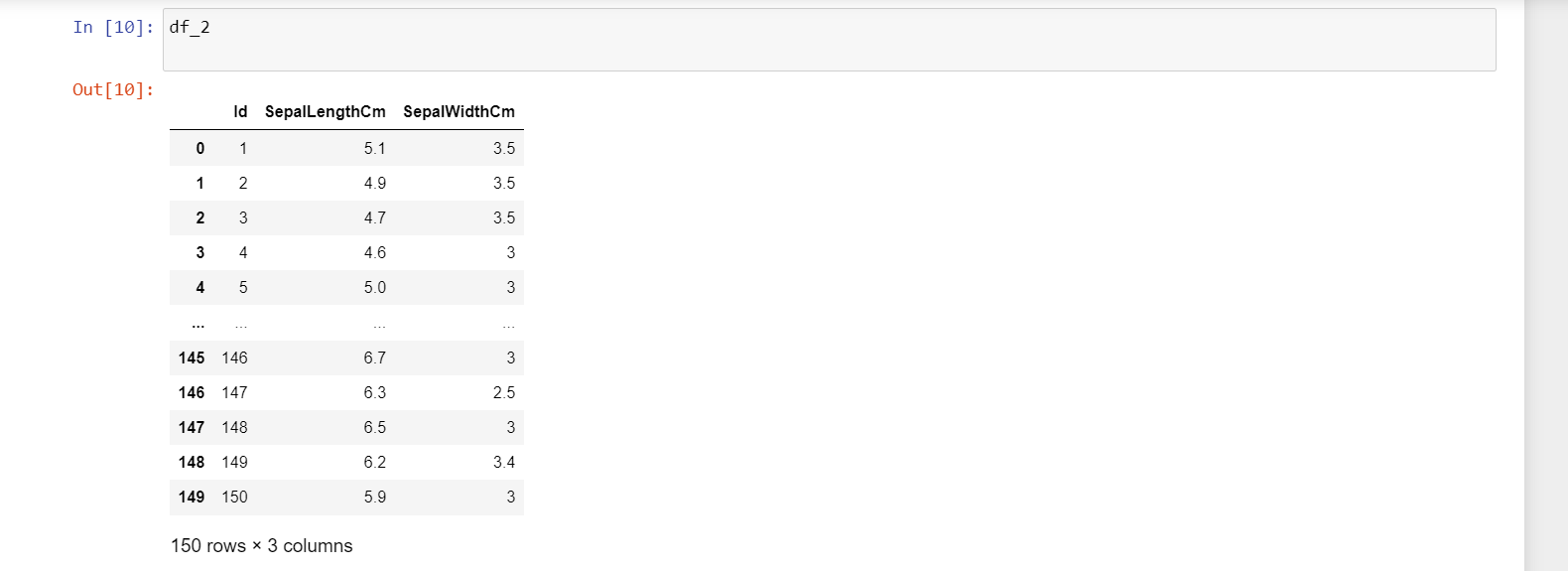


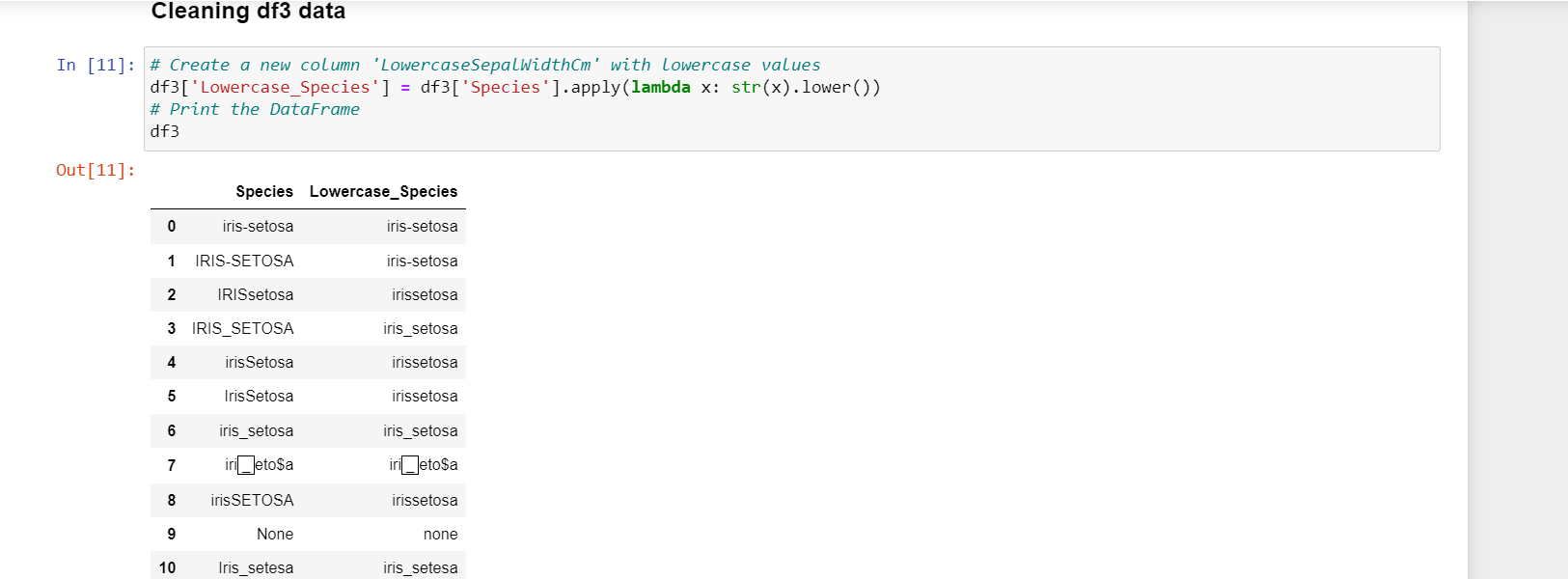


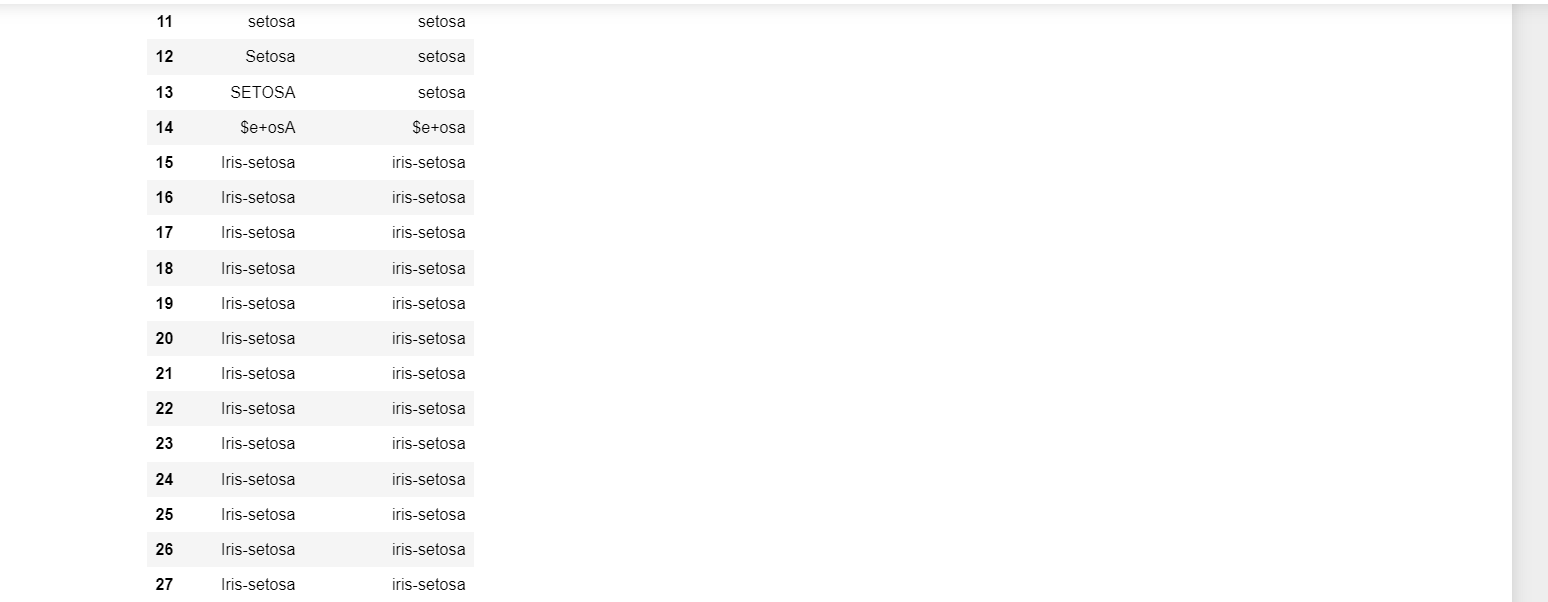


Step: 5 Sepal Width Cm column dropped



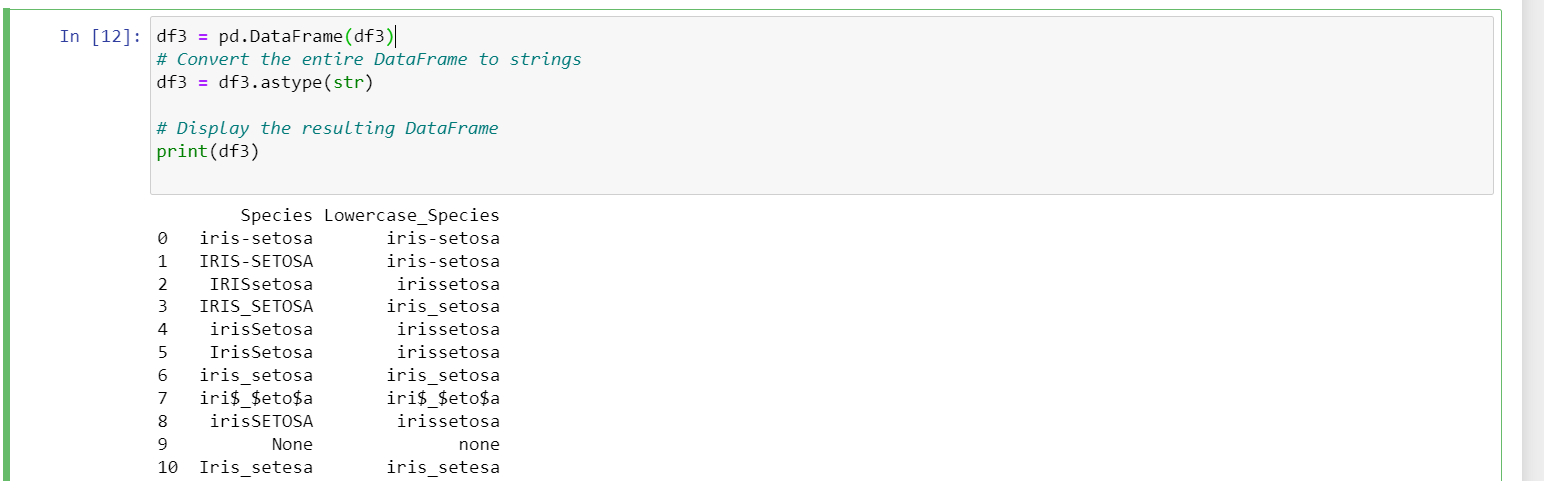




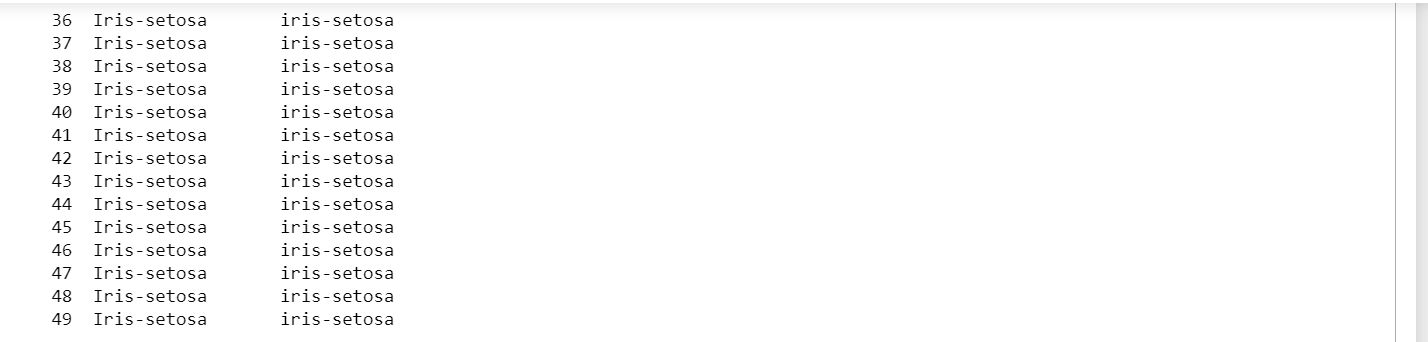




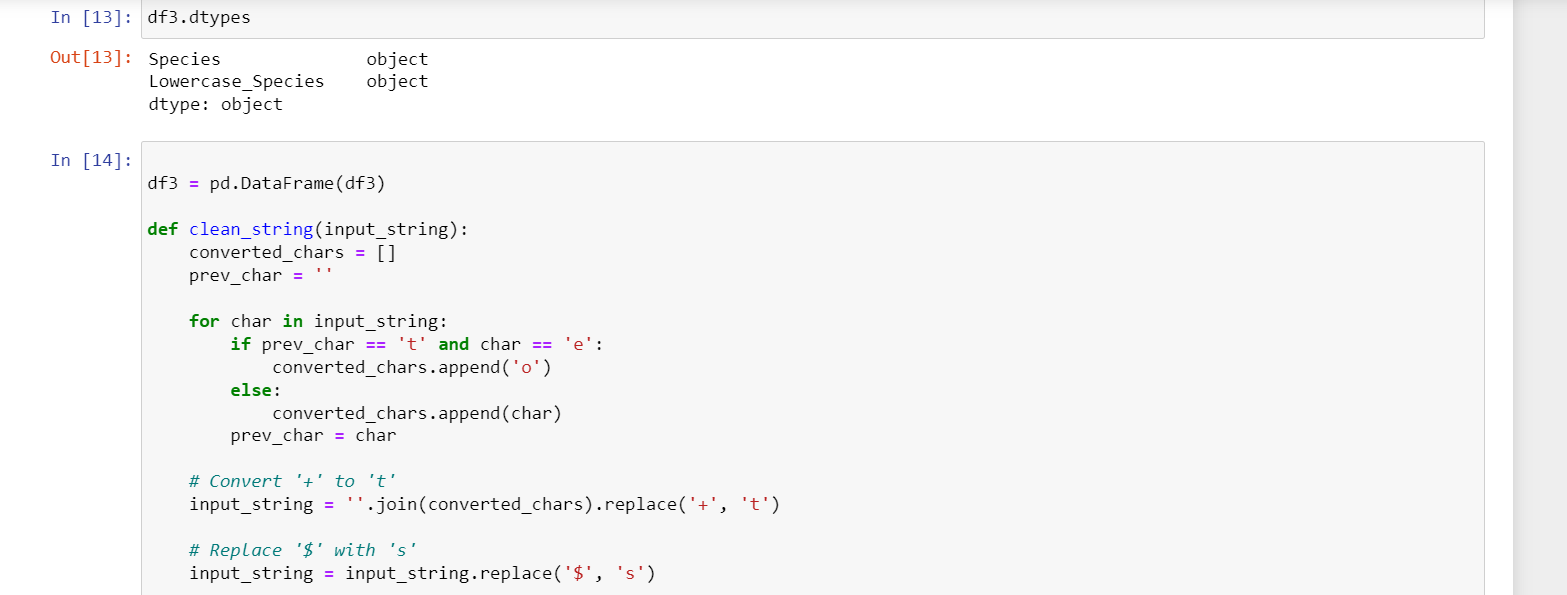








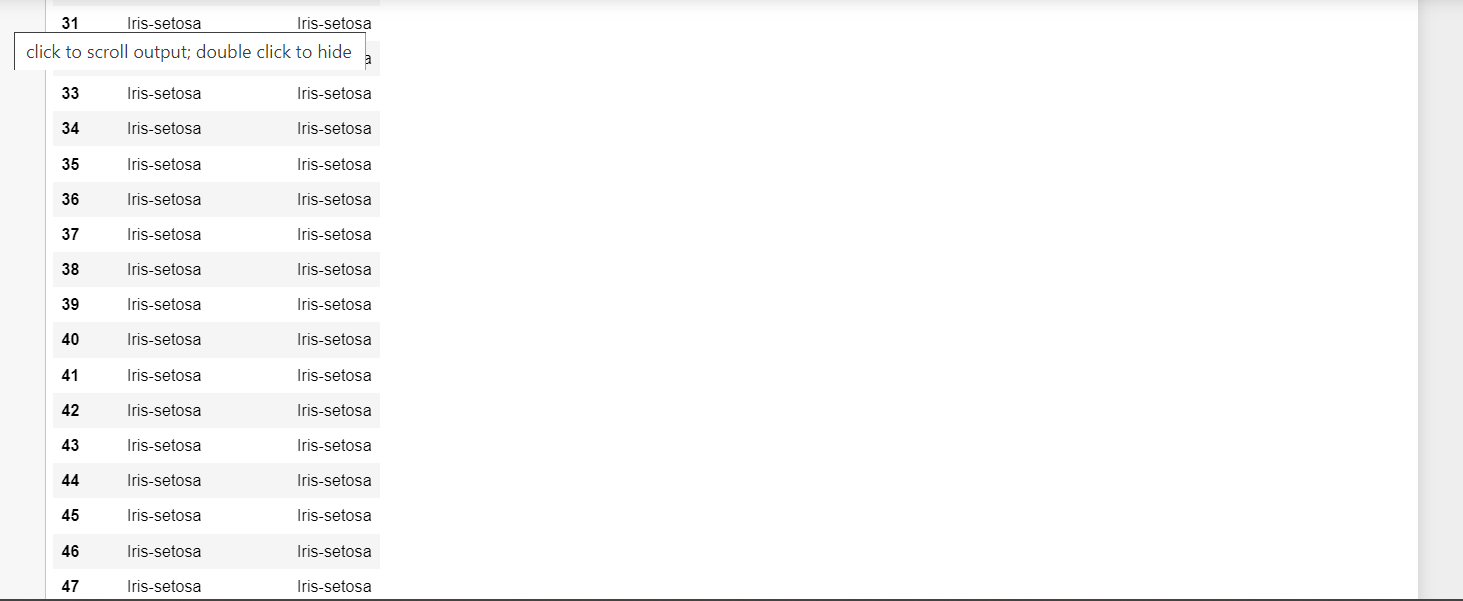
Step: 6 dataset 3 data types



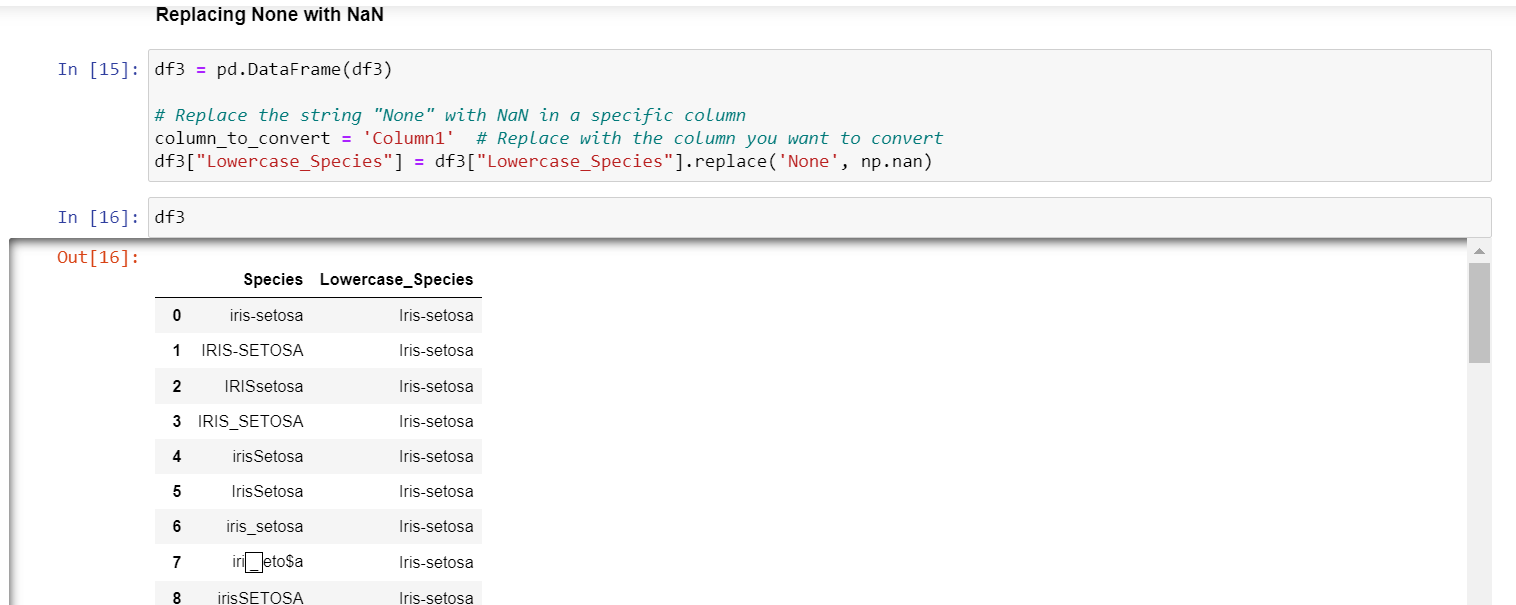


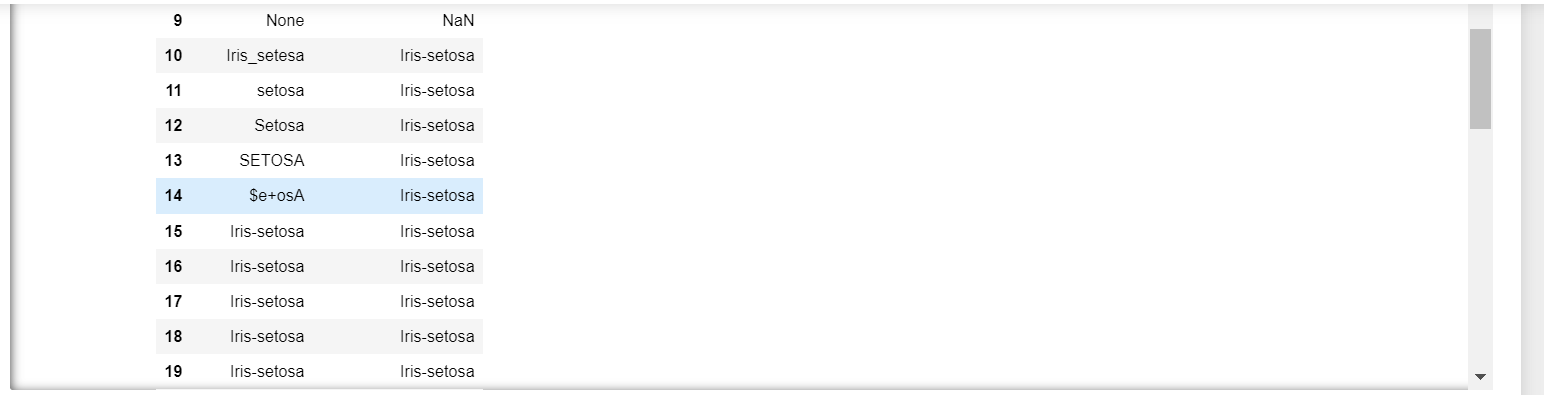


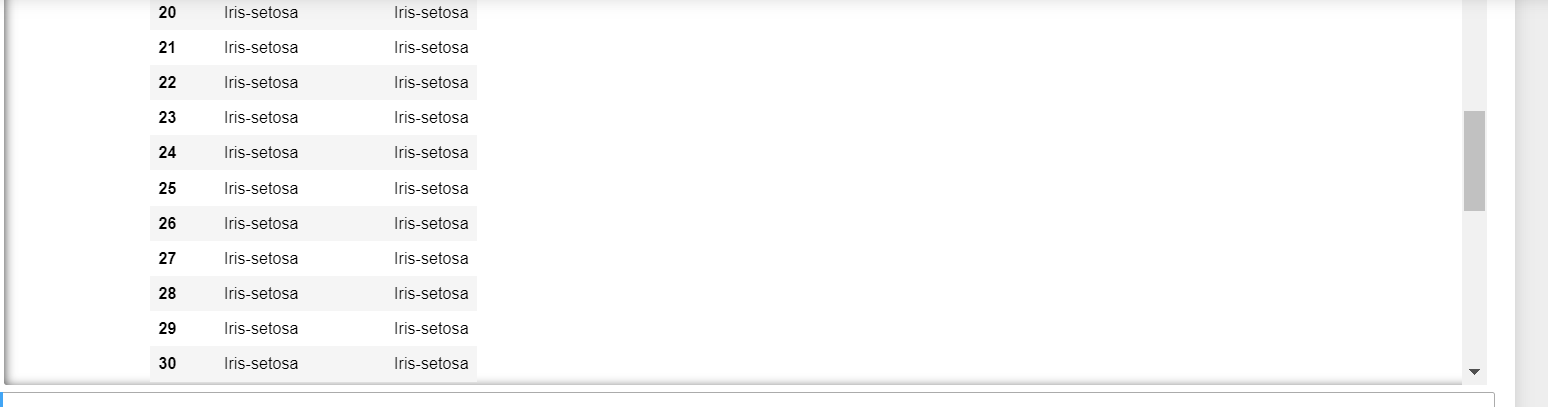




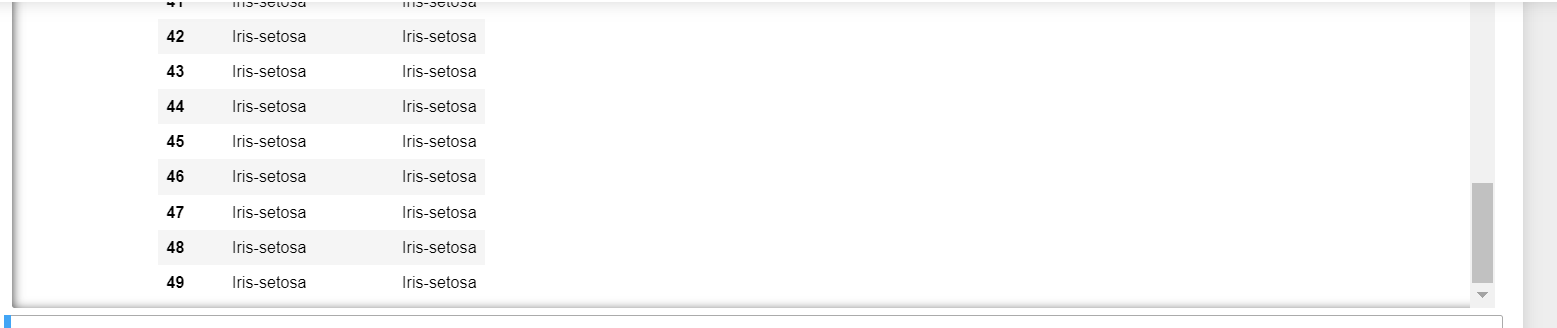
Step: 7 Replacing None with NAN



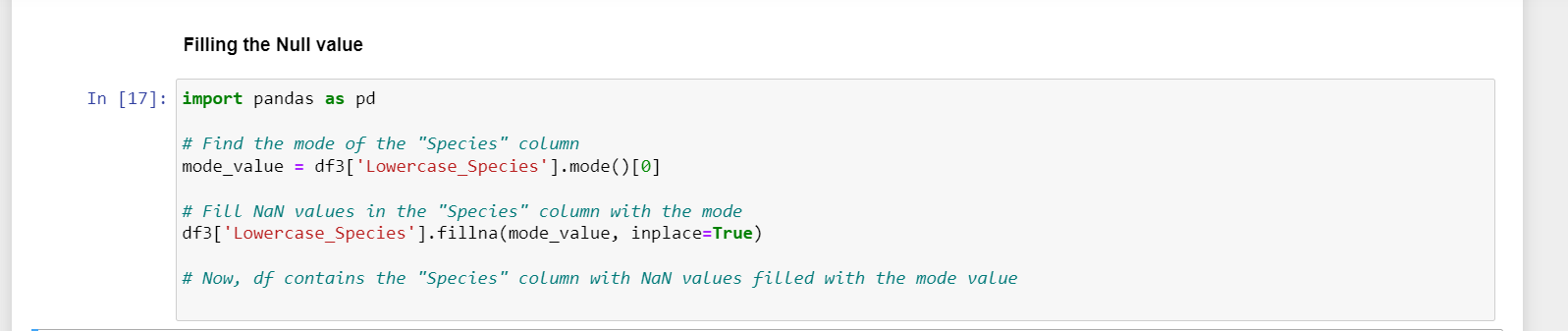


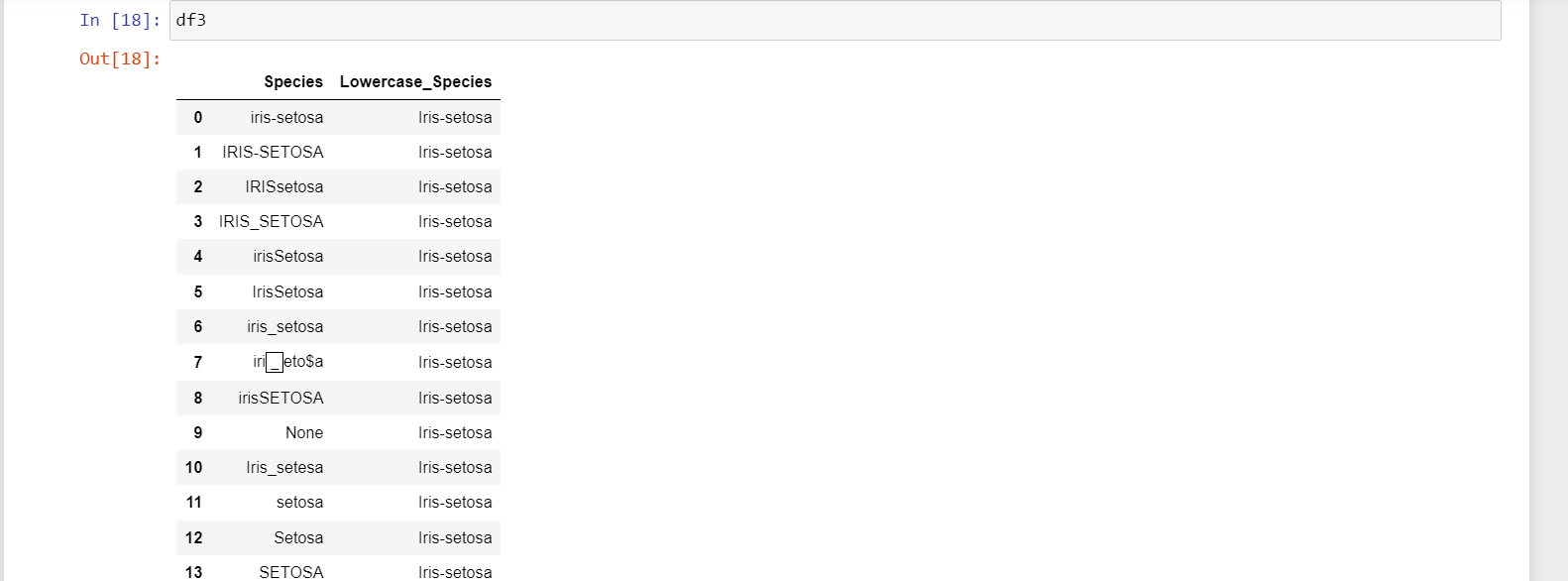






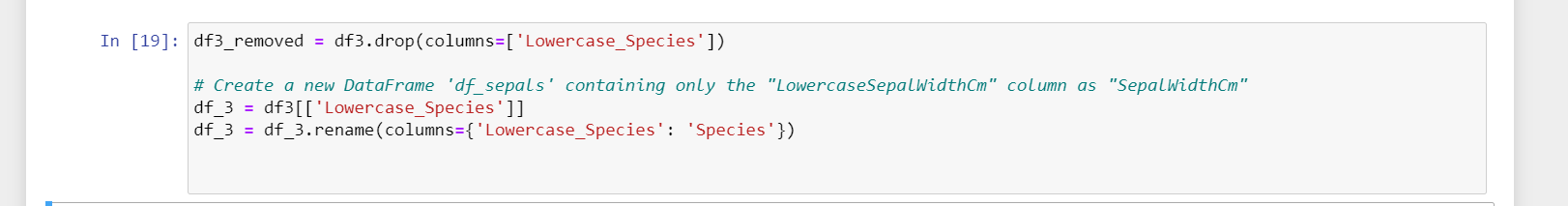
Step: 8 Filling Null Values

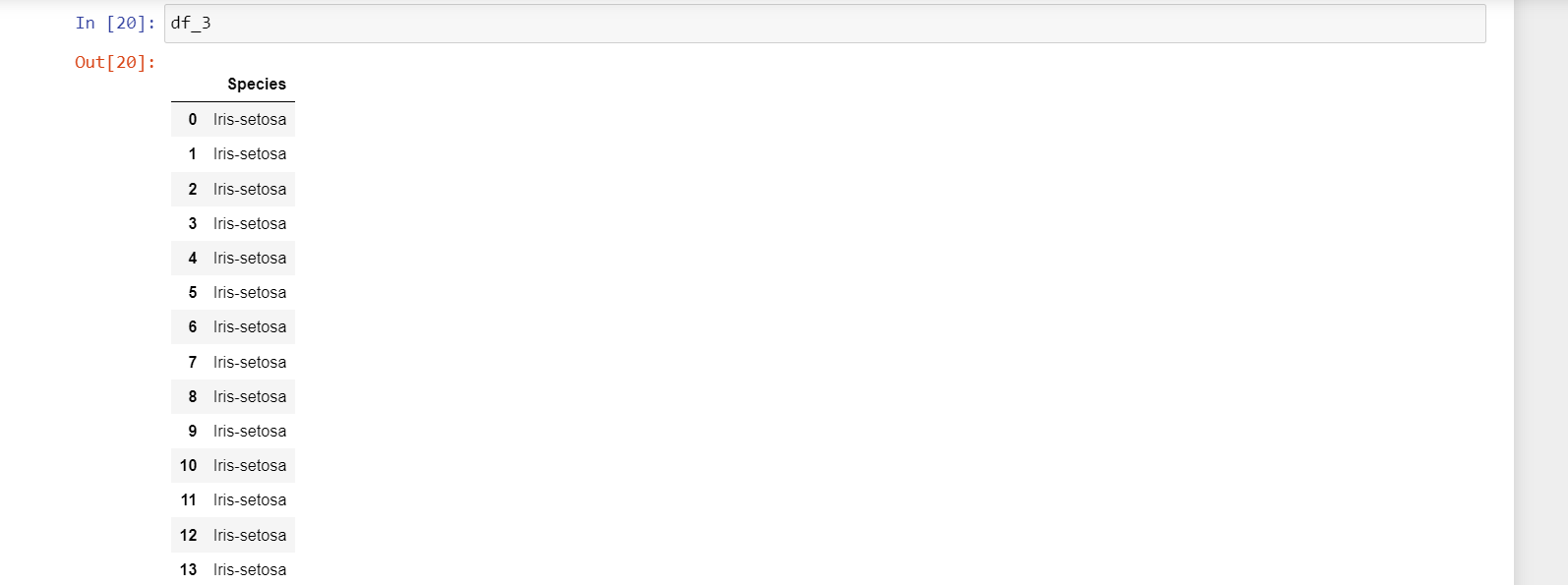


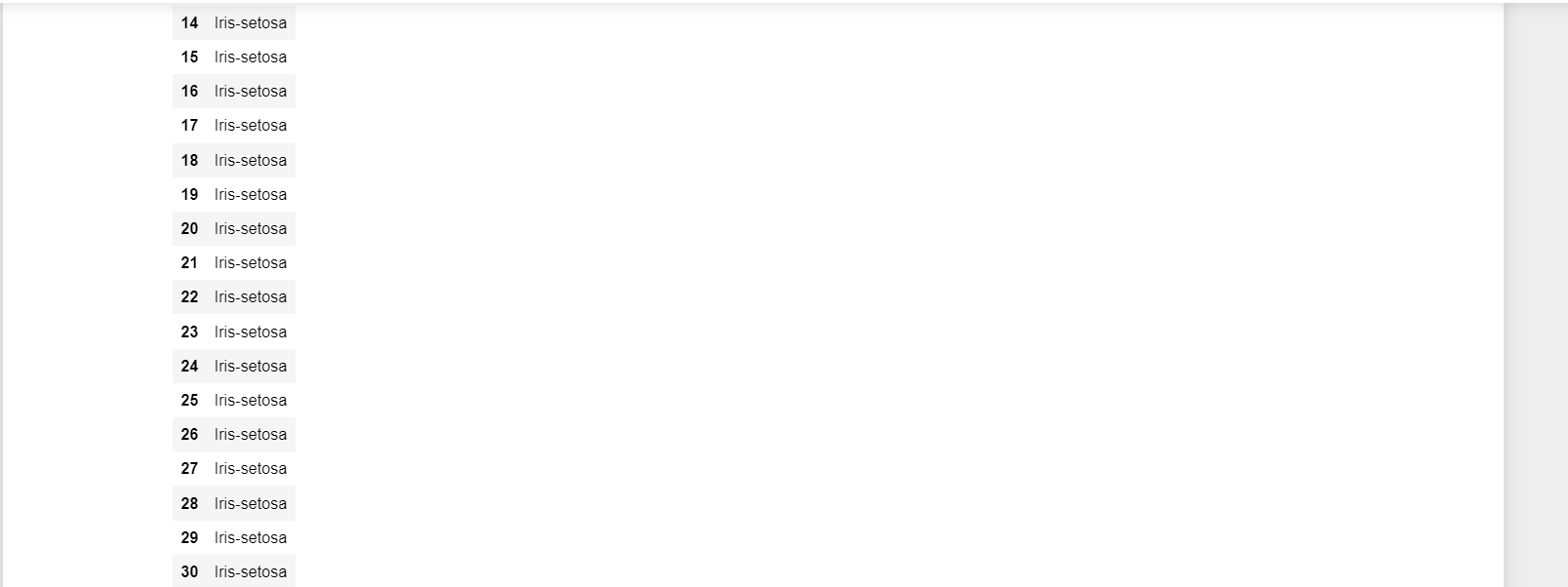


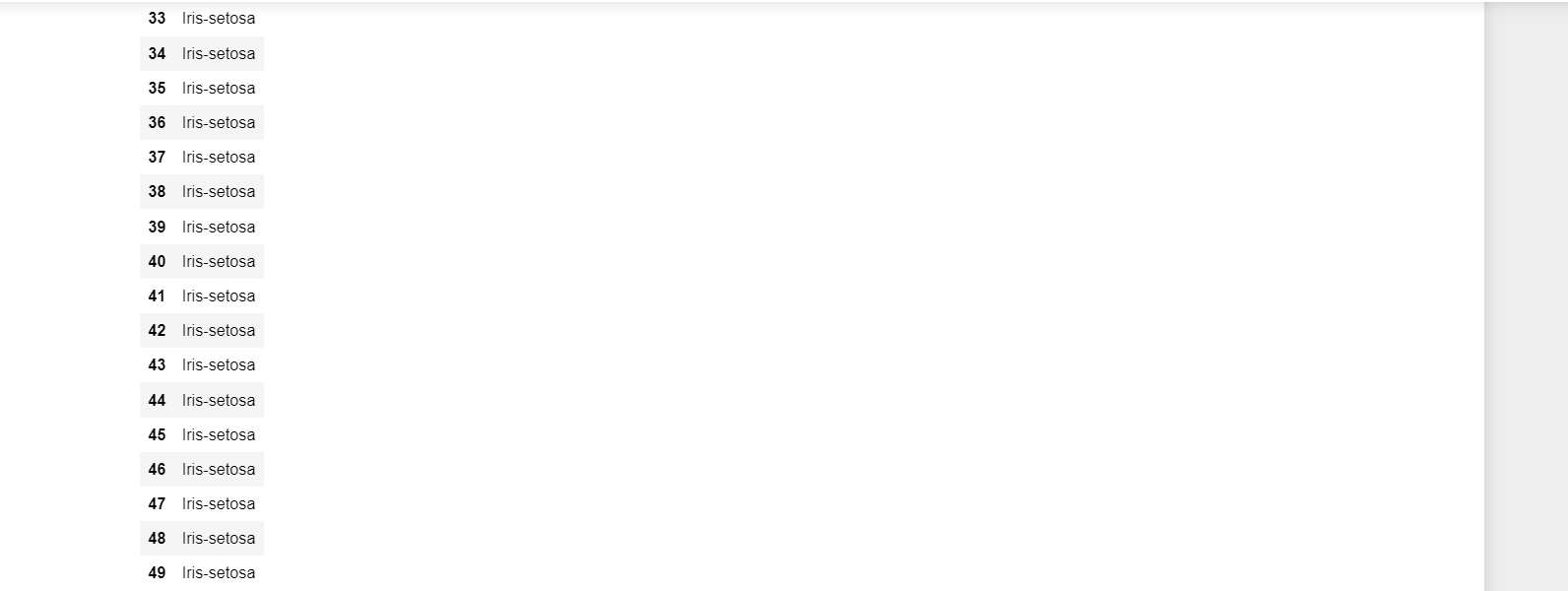


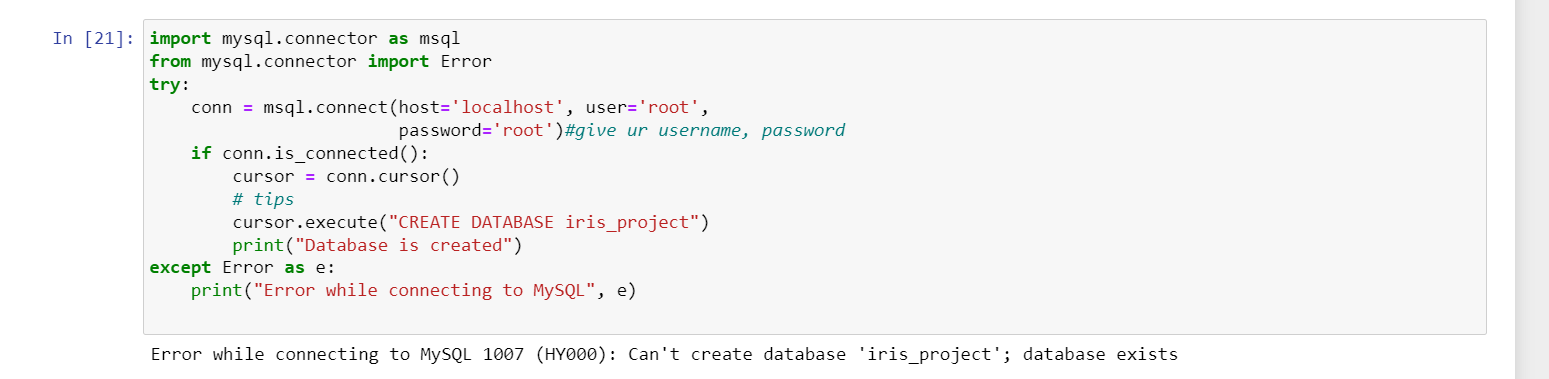


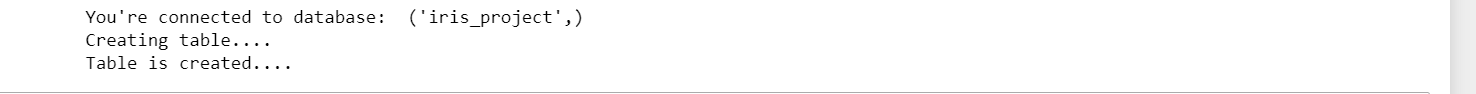




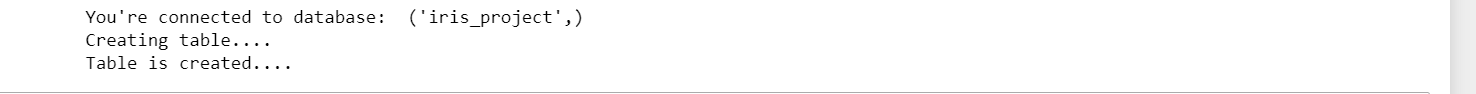


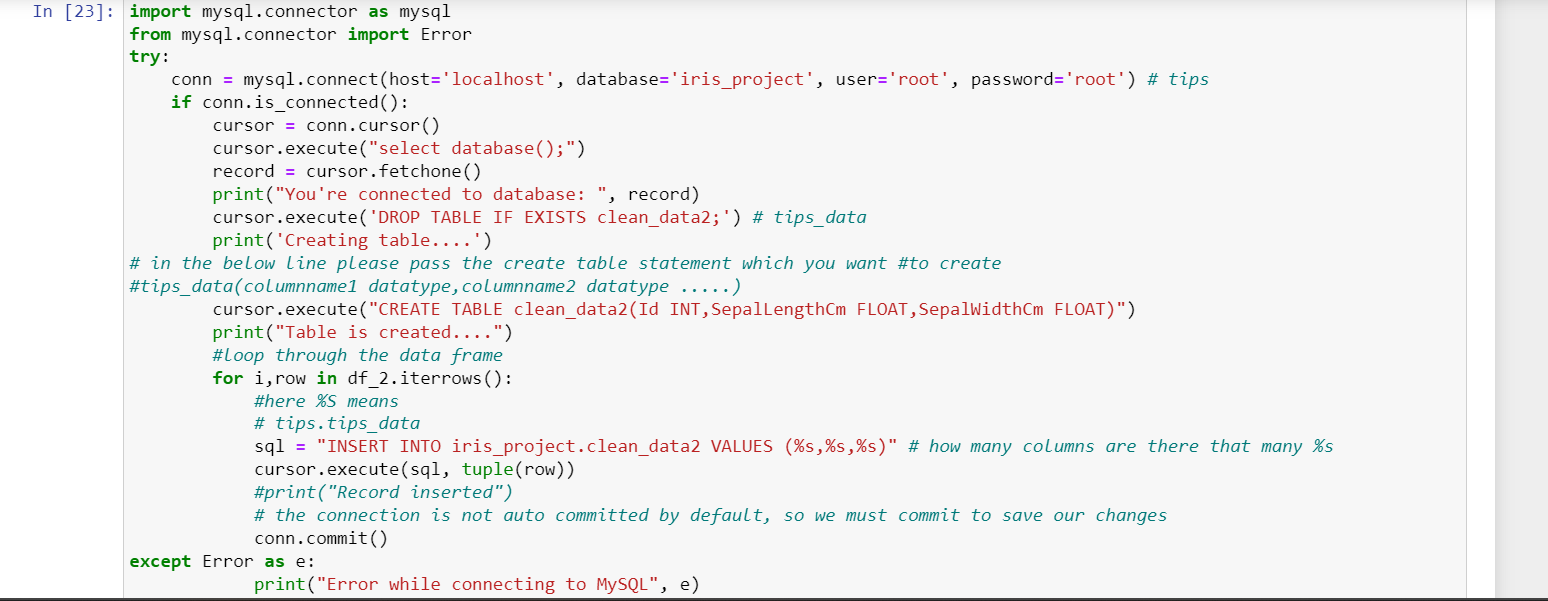


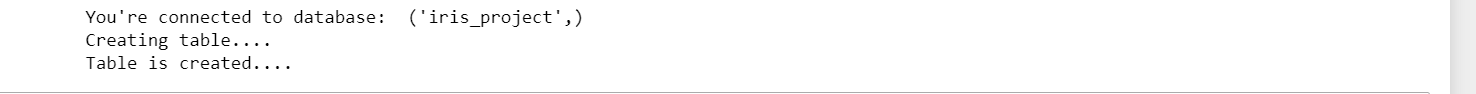




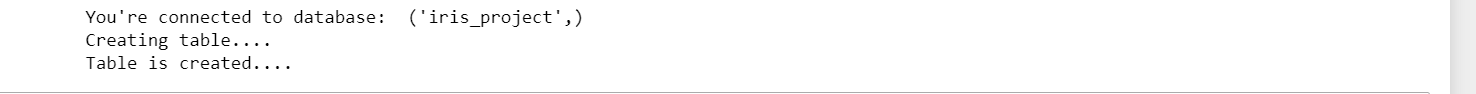


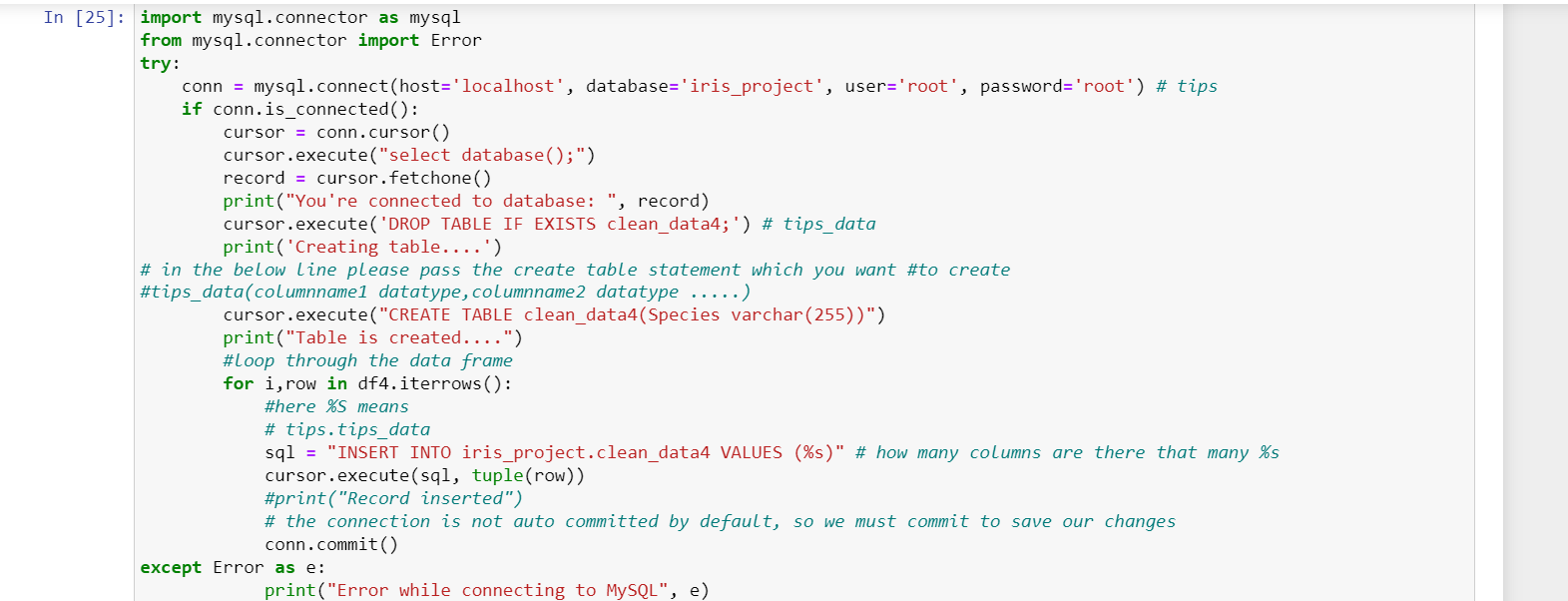


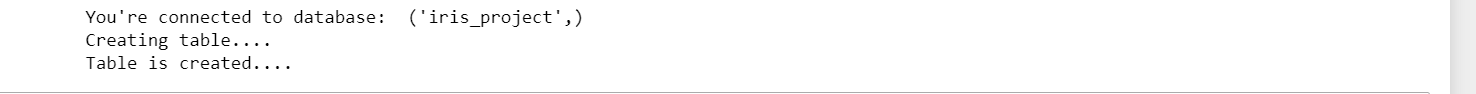






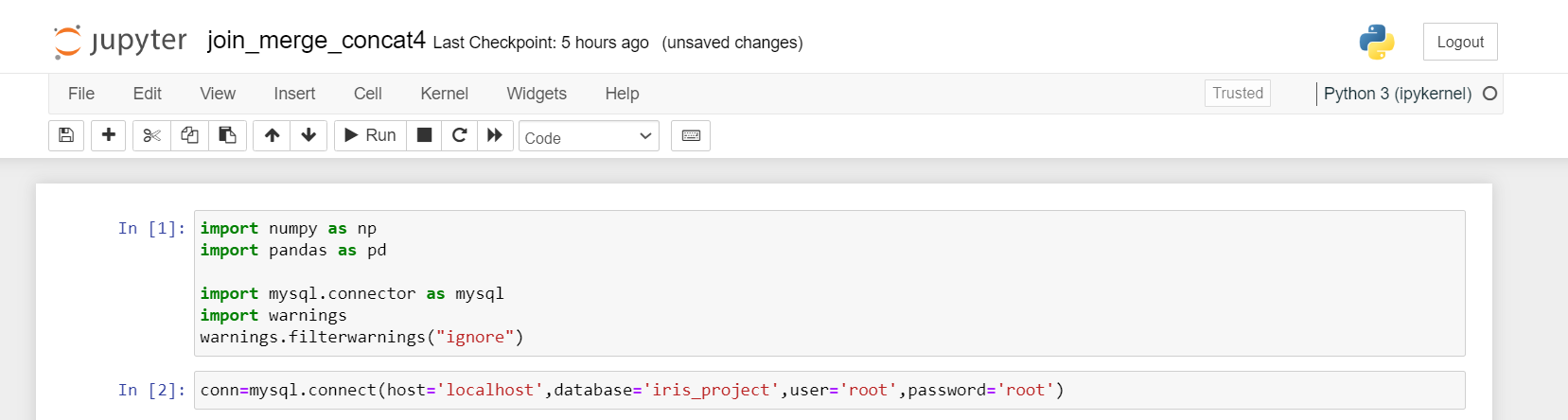




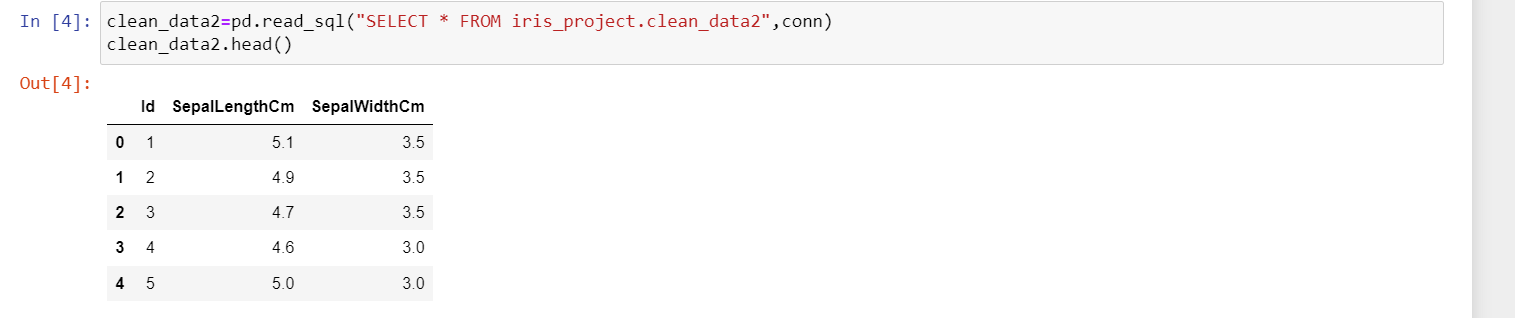


Next folder: Join \_merge\_concat 4

Step:1 Importing libraries & loading CSV files



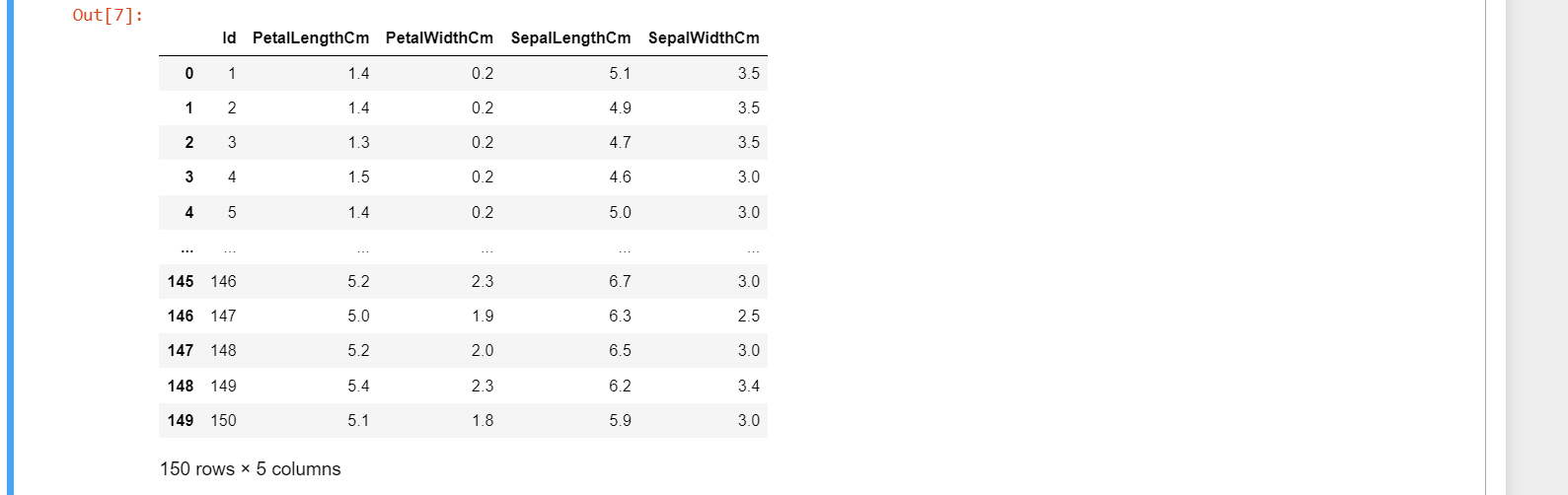
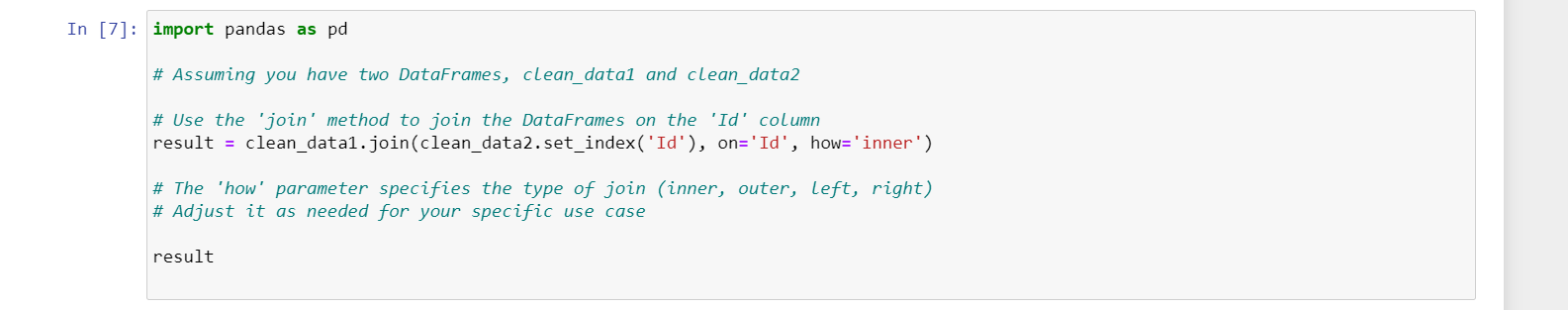
Step:2 Calling clean datasets 



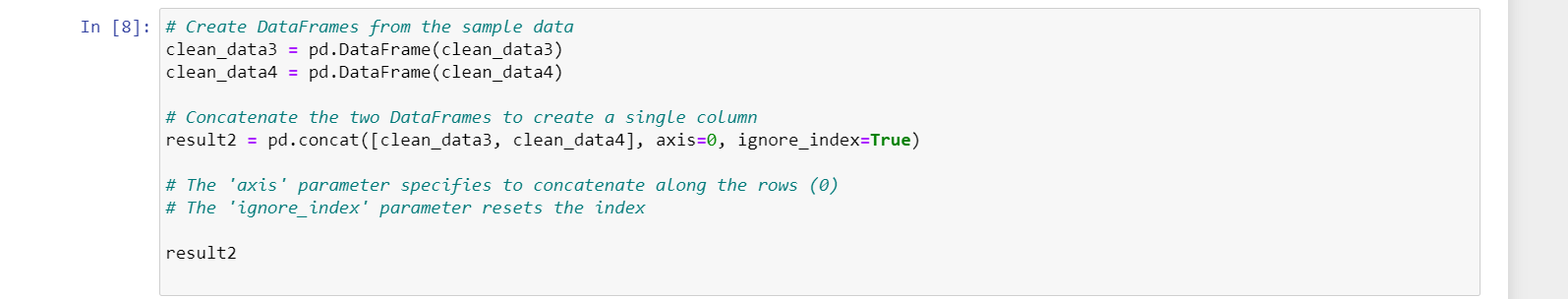




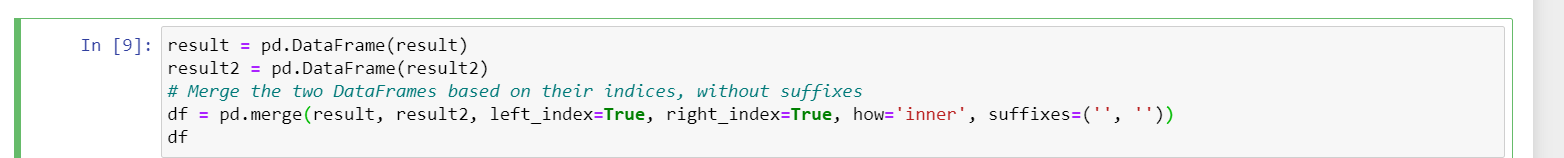
Step: 3 Joining data 1 & data2

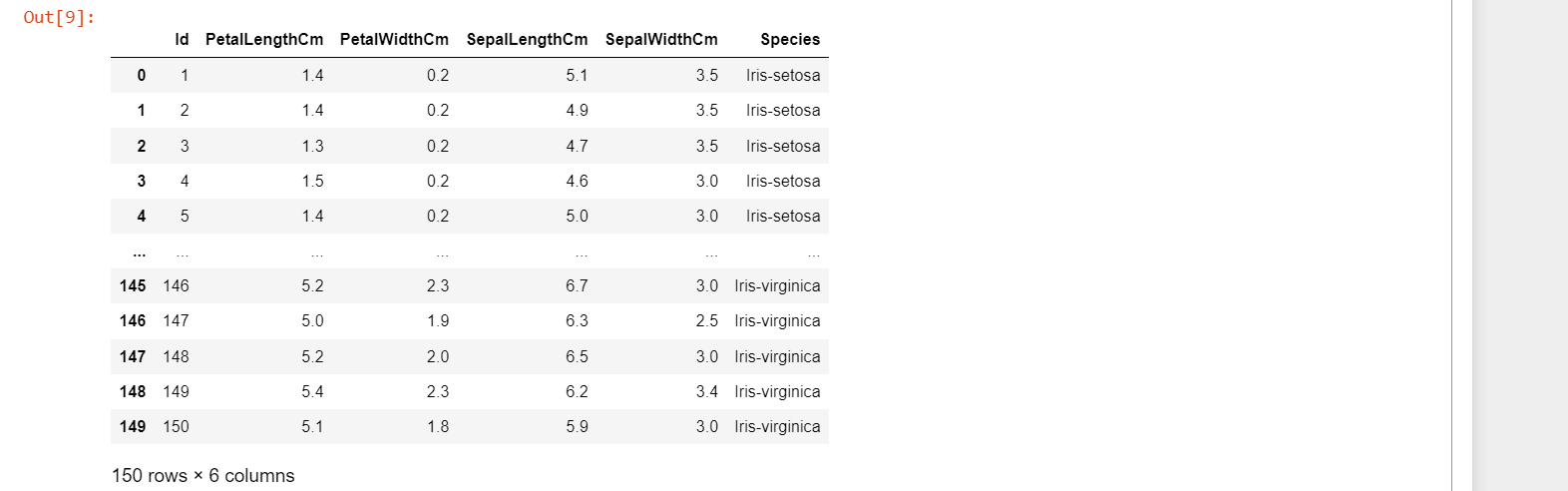


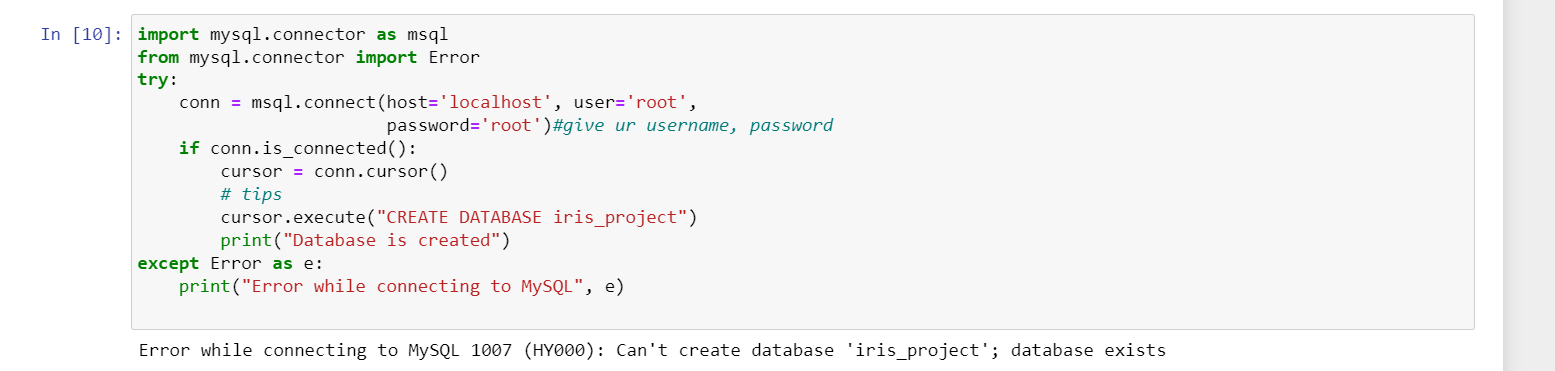
Step:4 Concat data 3 & data4







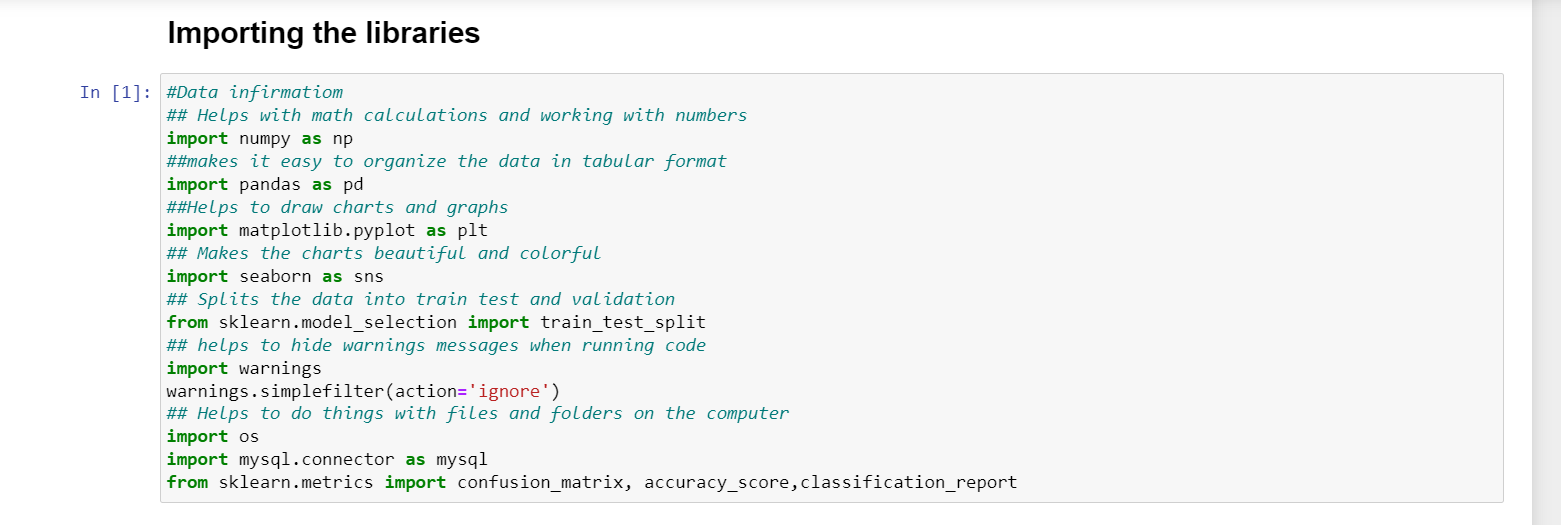




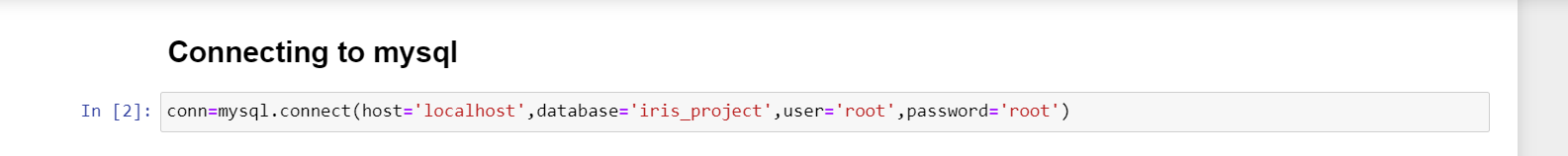




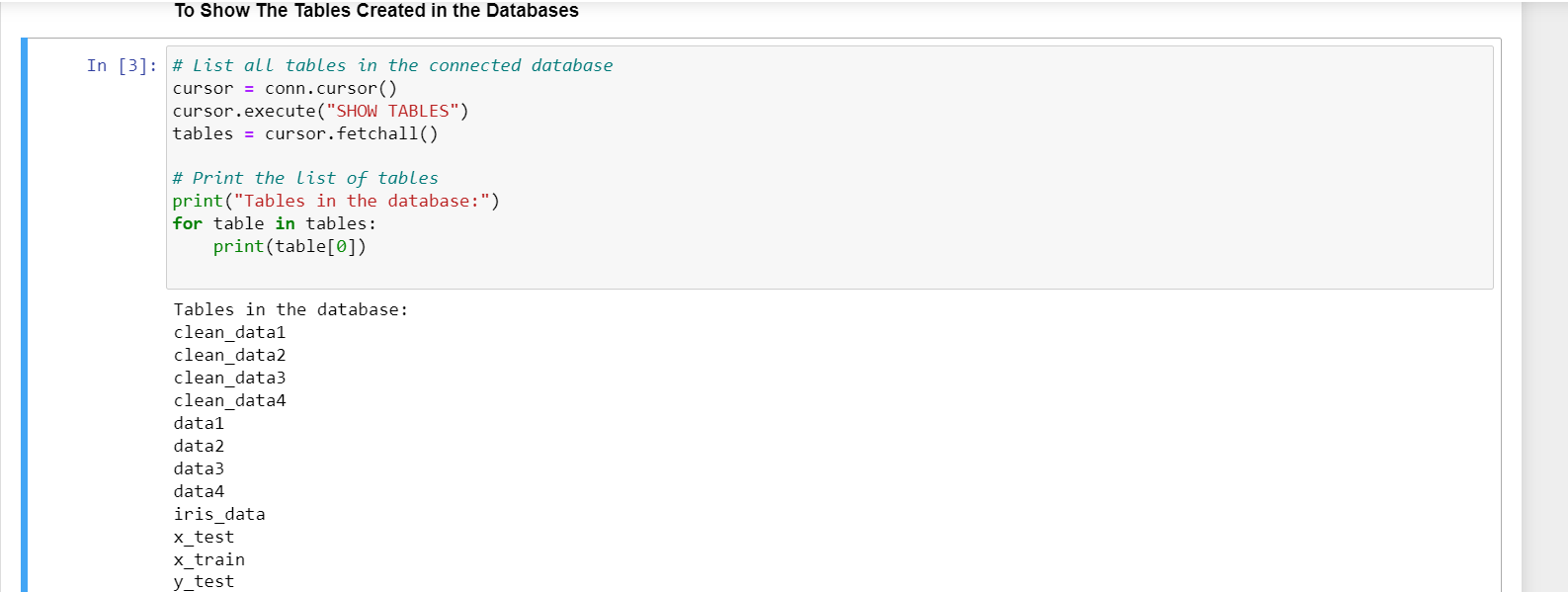
Next Folder: Pre processing after cleaning 5

Step: 1 Importing Libraries 

Step: 2 Connecting to MY SQL



Step: 3 Show the created Datasets



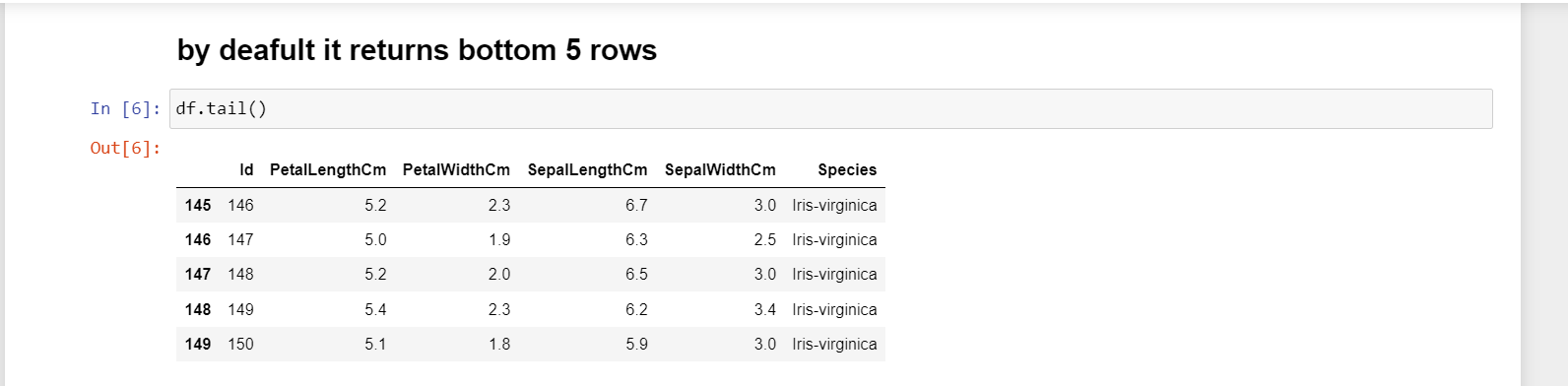
Step: 4 Loading my SQL data



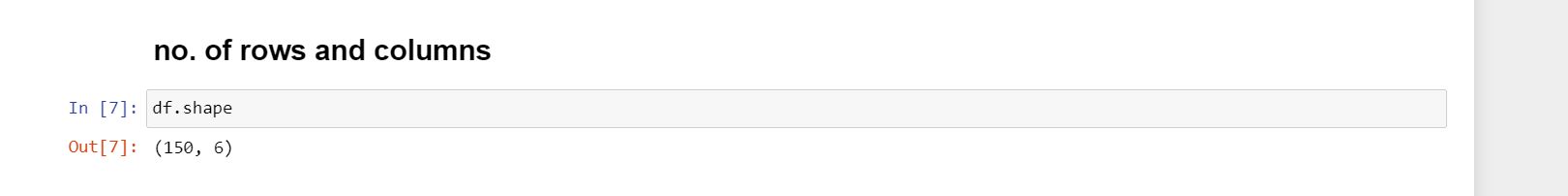
Step : 5 Head



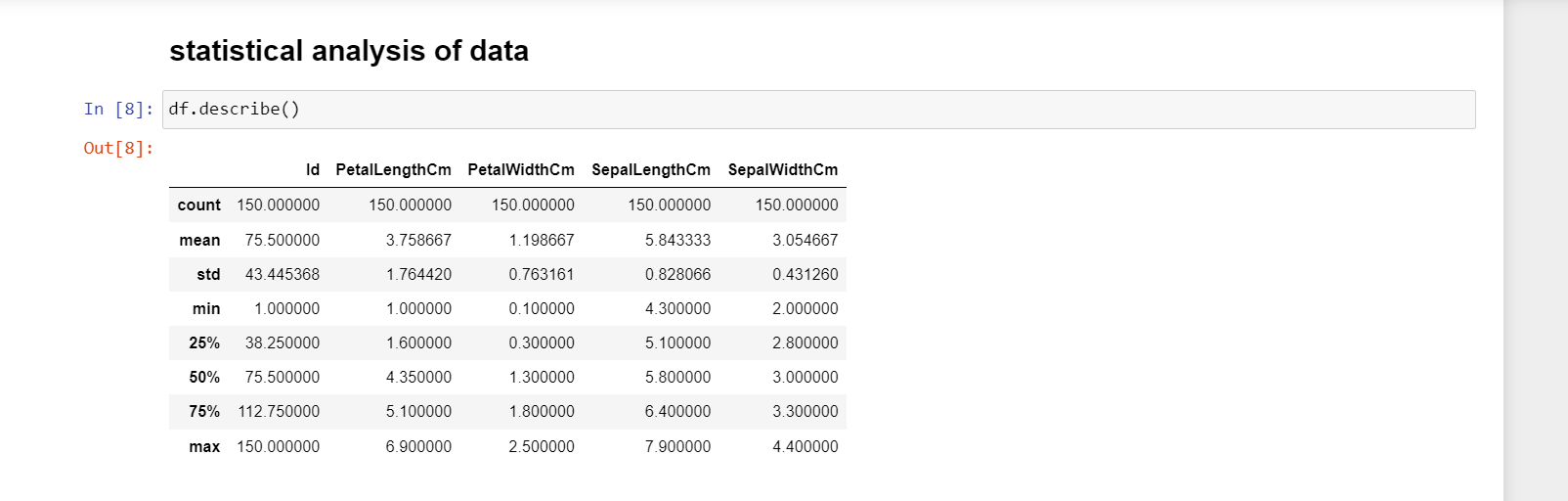
Step: 6 Tail



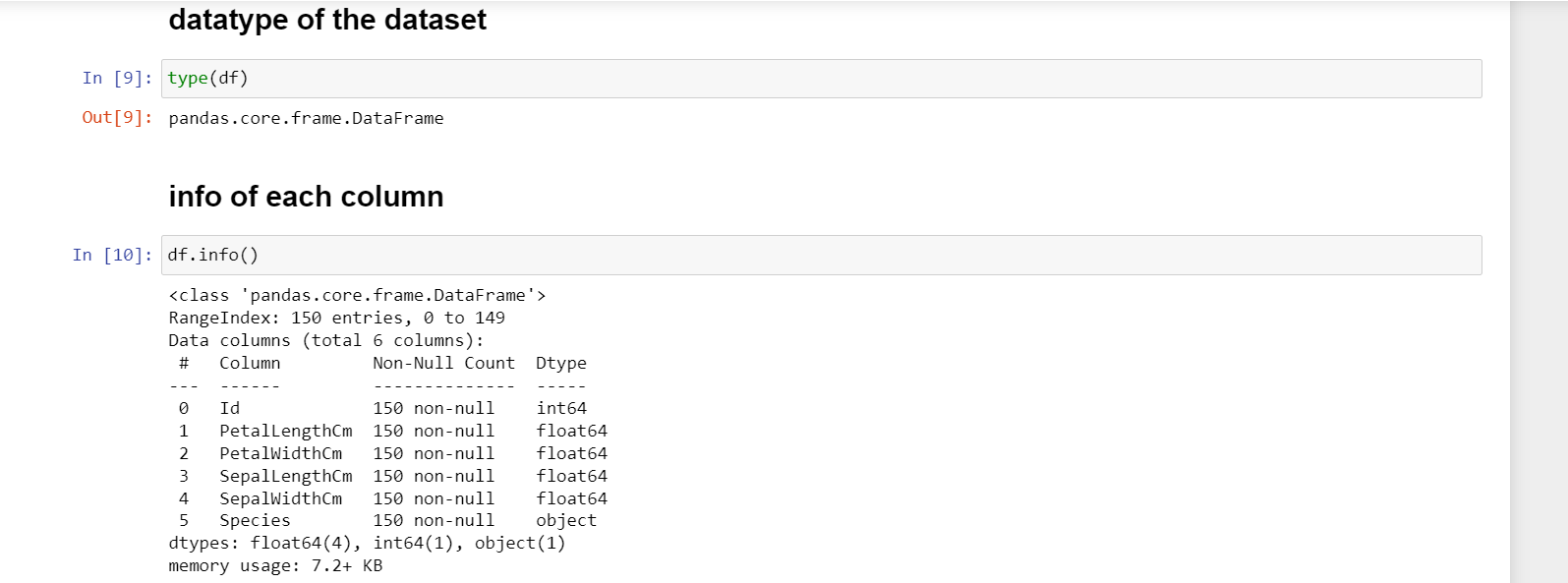
Step: 7 Shape of Columns & Rows



Step: 8 Statistical Analysis of Data

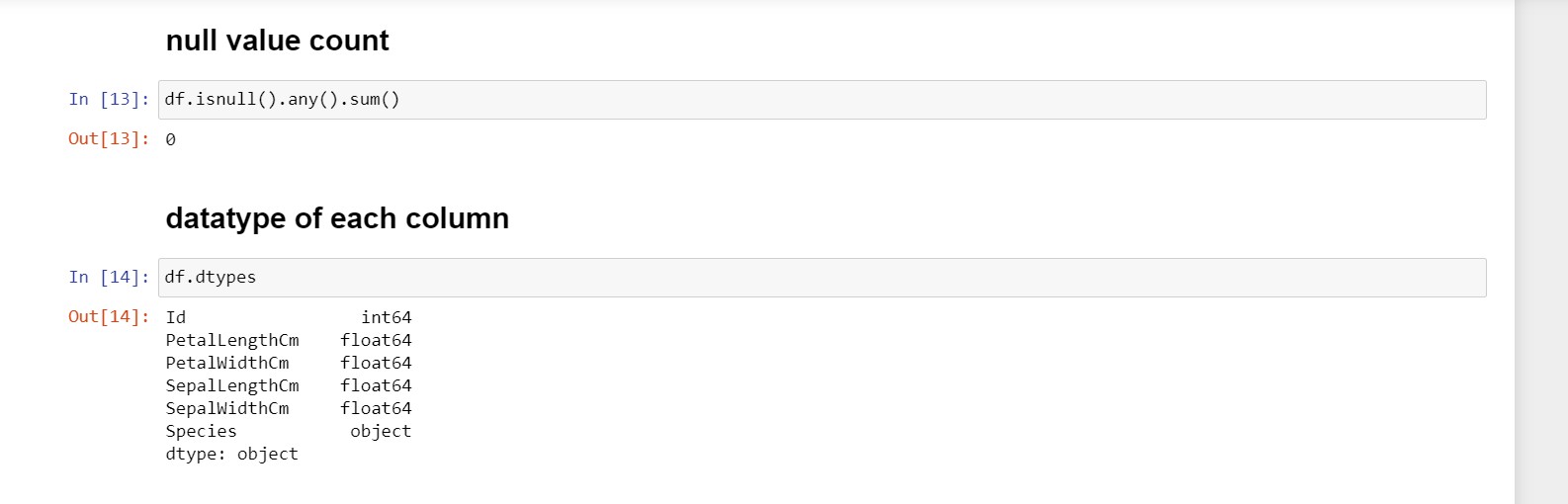


Step: 9 Data type of the Dataset & Information of each column

  
Step: 10 Displaying Columns of dataset & Count of the data



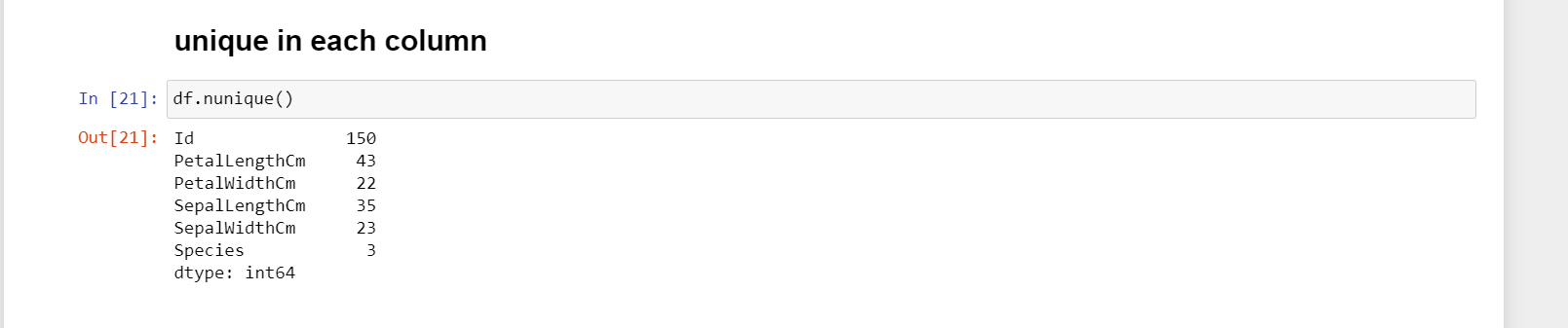
Step: 11 Finding Null Values & Data type of each column



Step: 12 D type of specific column ,No. of dimensions & Finding duplicates in data



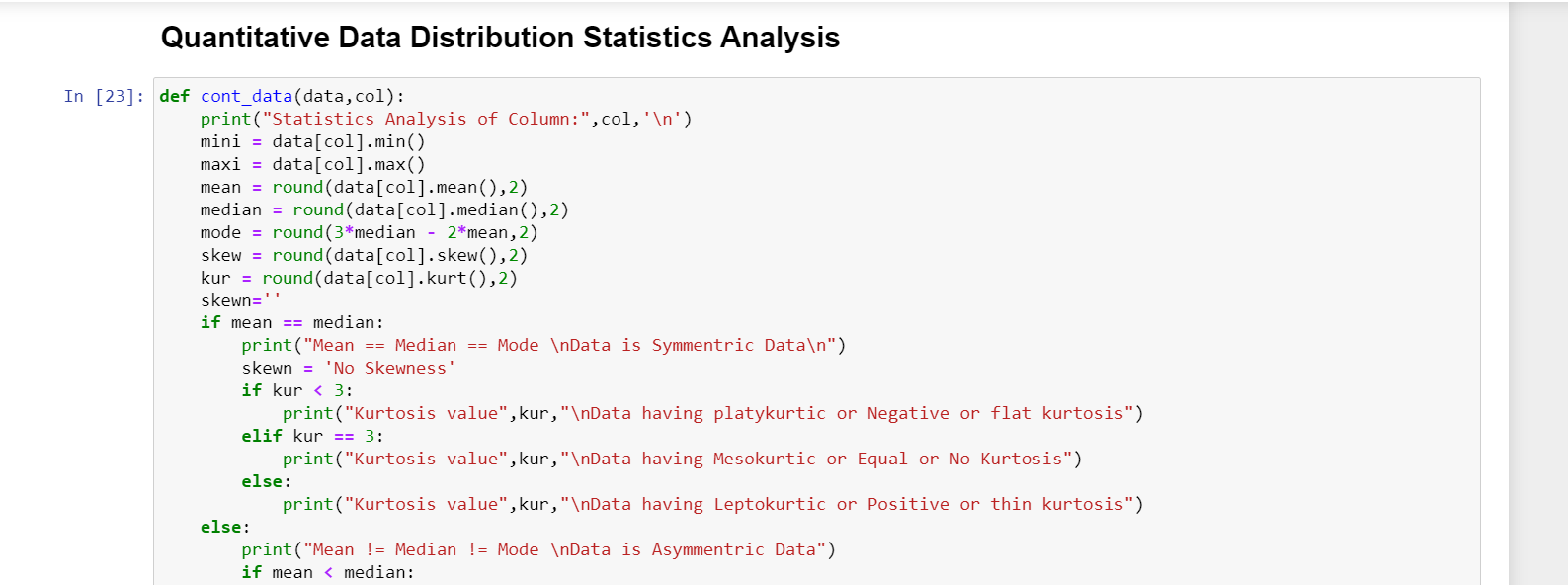
Step: 13 Finding Unique in each column



Step: 14 Saving continuous data in new variable name

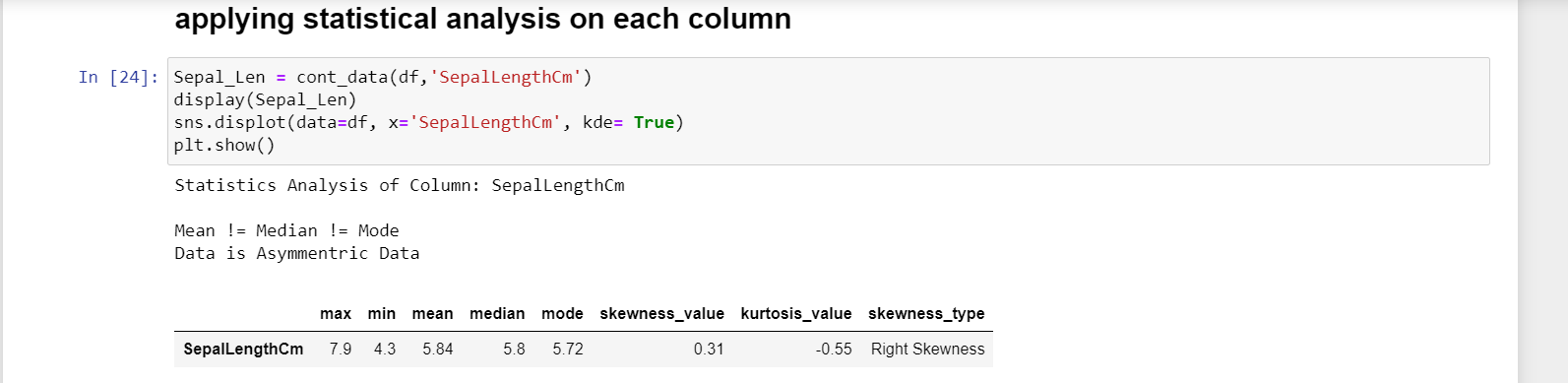


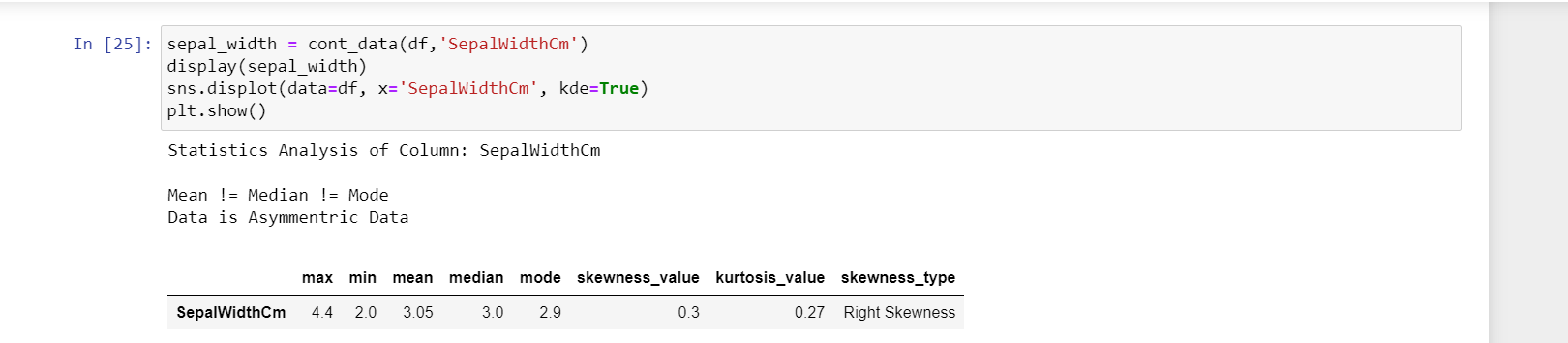
Step: 15 Quantitative Data Distribution Statistics Analysis

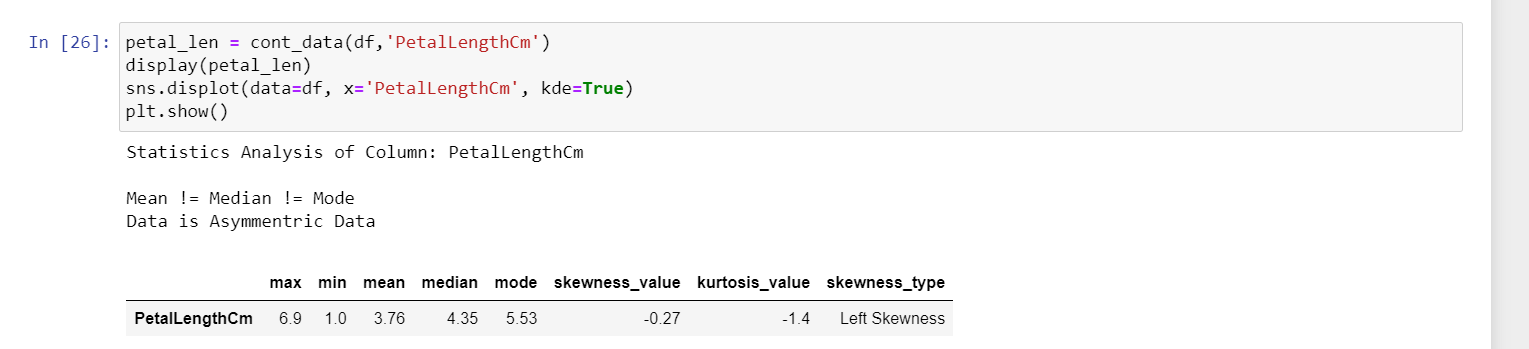


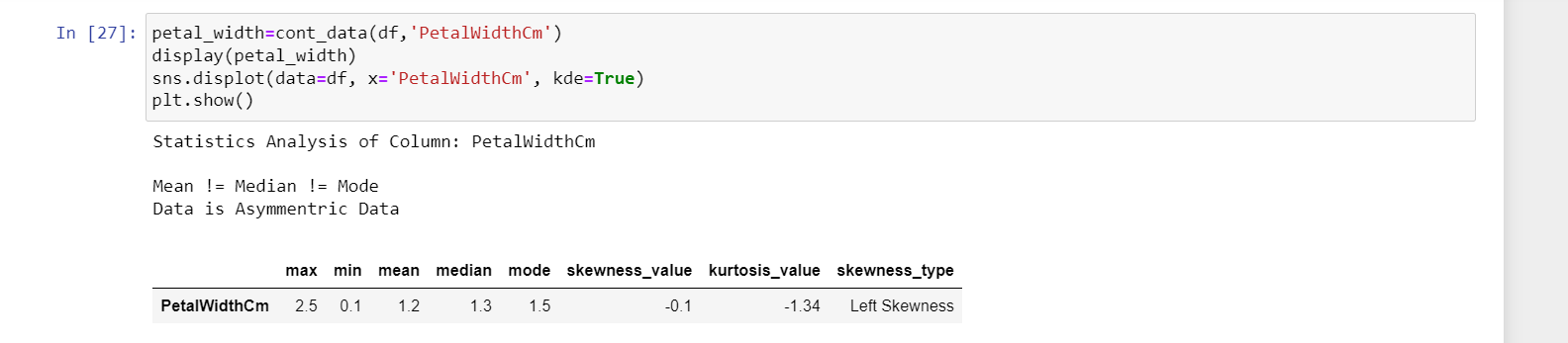


Step :16 Applying Statistical Analysis on each column

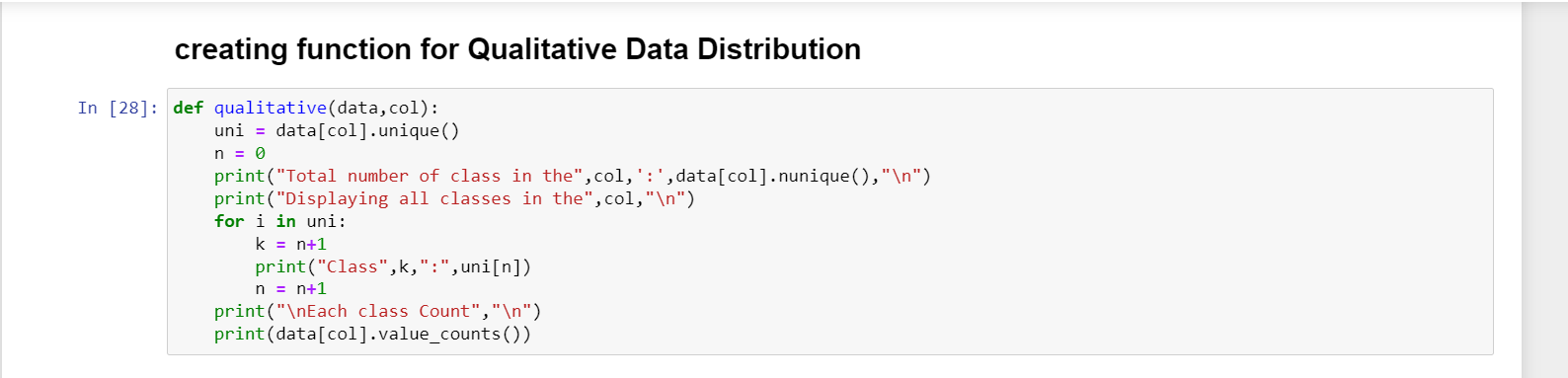




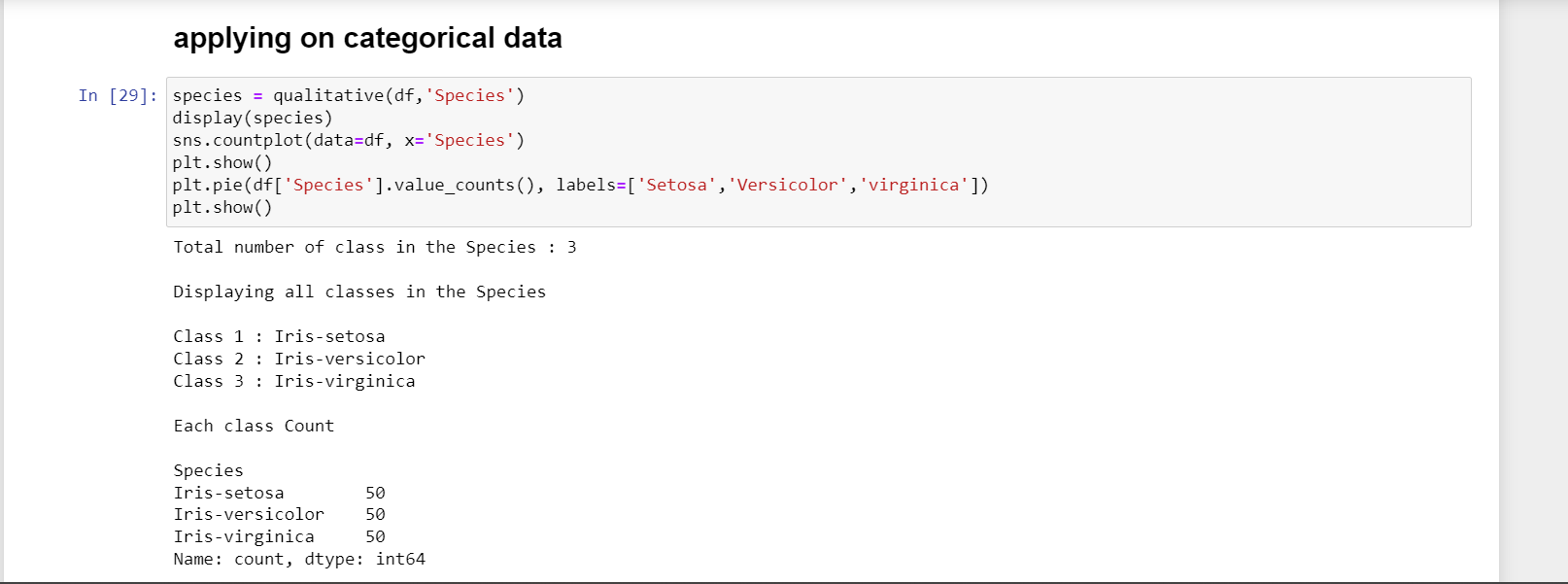




Step: 17 Creating function for Qualitative Data Distribution

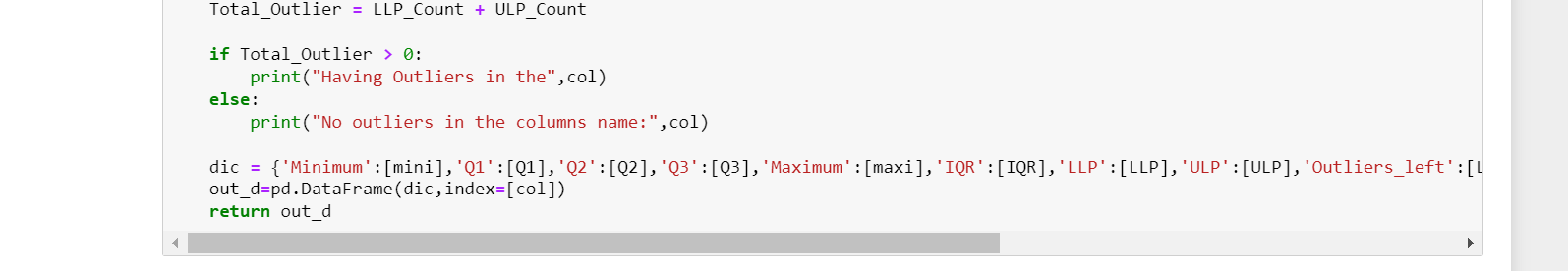


Step: 18 Applying on Categorical data

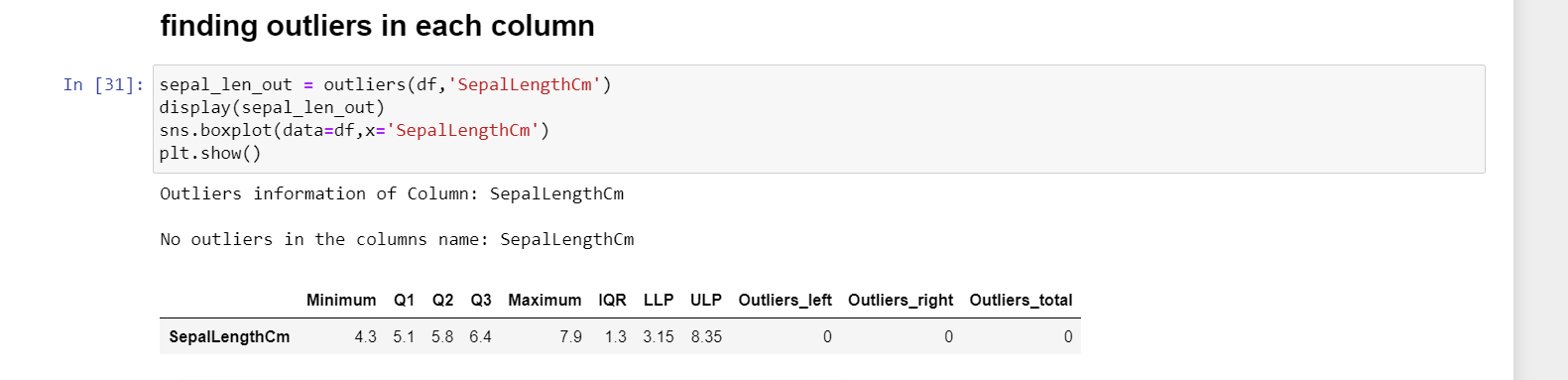


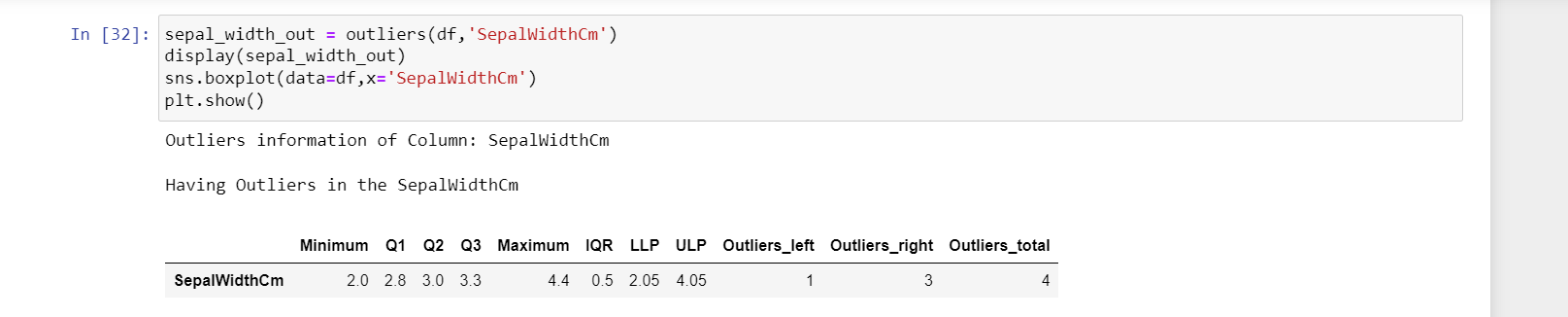
Step: 19 Outliers

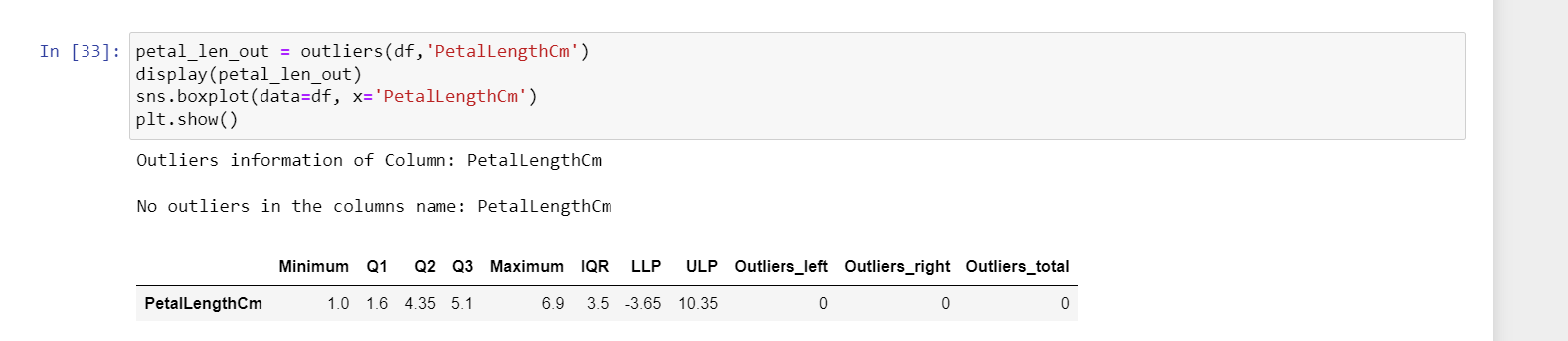


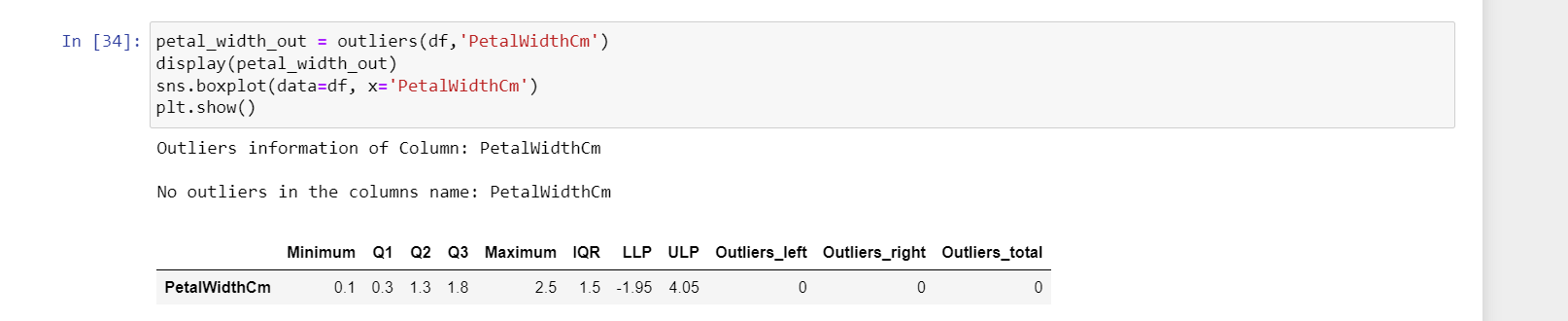


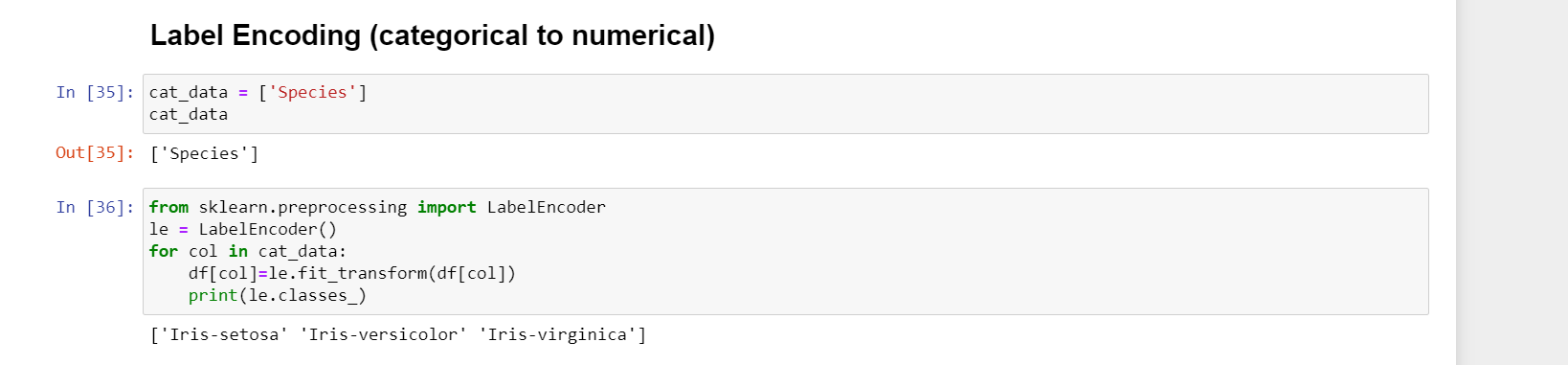
Step : 20 Finding outliers in each column



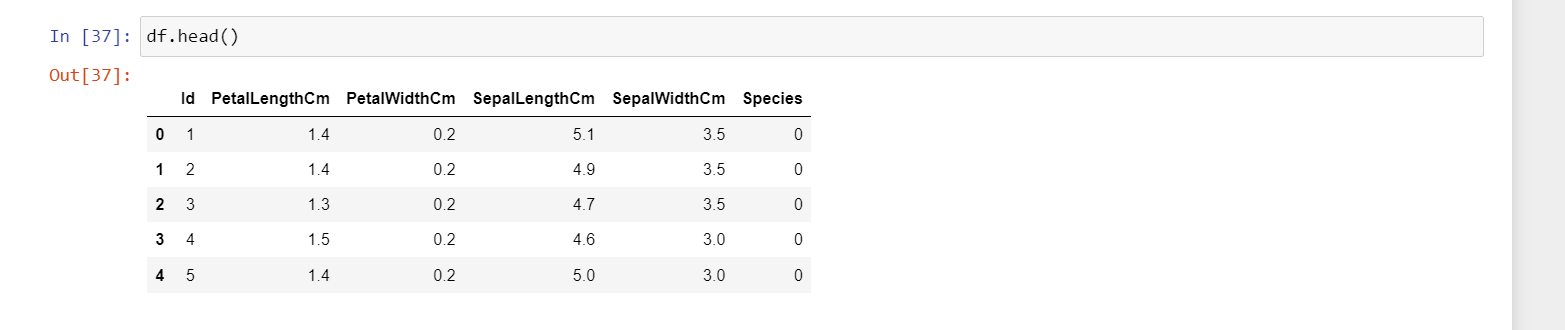




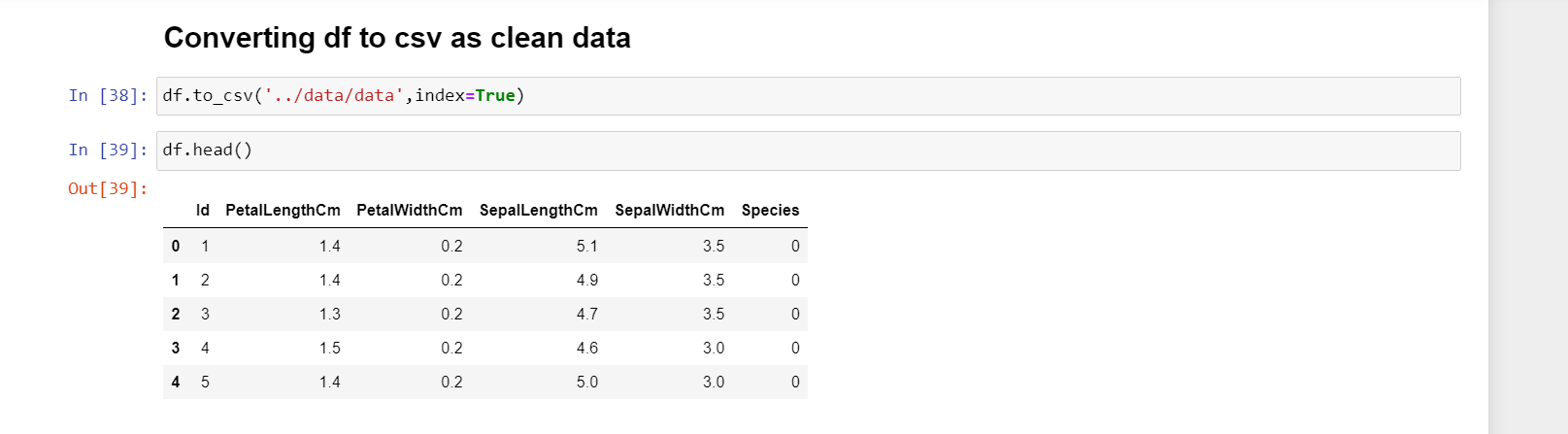
  
Step: 21 Label Encoding



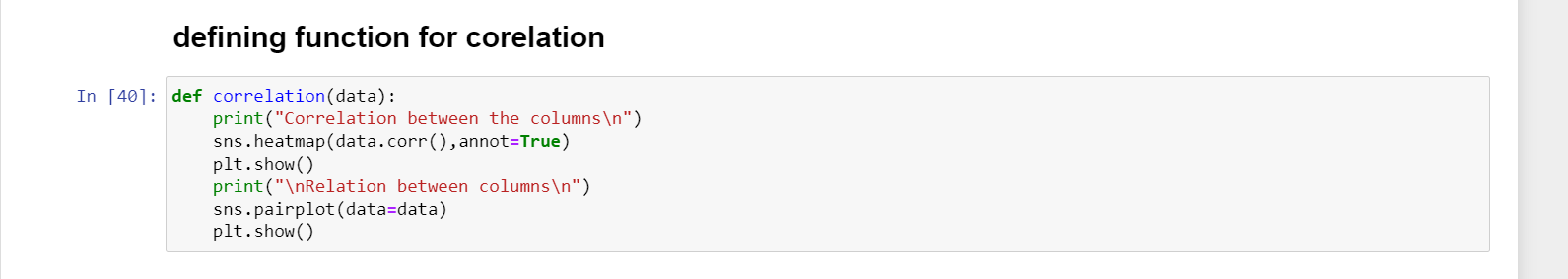
Step: 22 Head



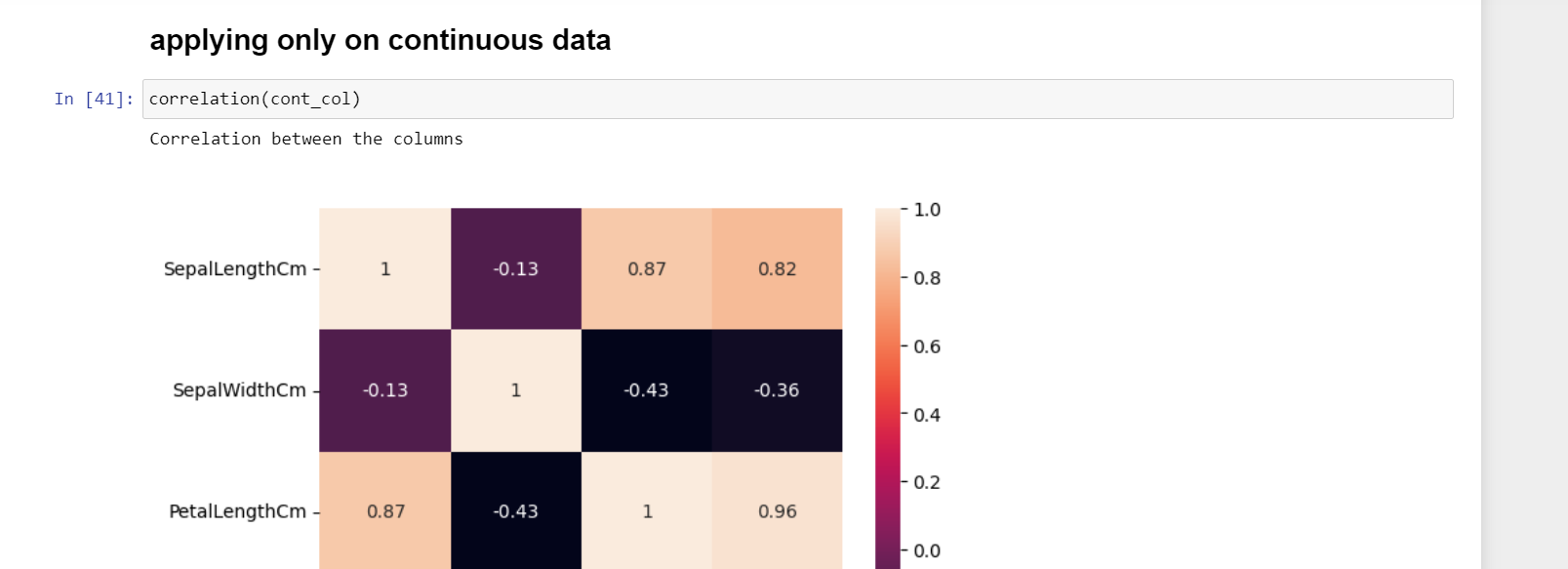
Step : 23 Converting df to csv as clean data



Step: 24 Defining Function For Corelation

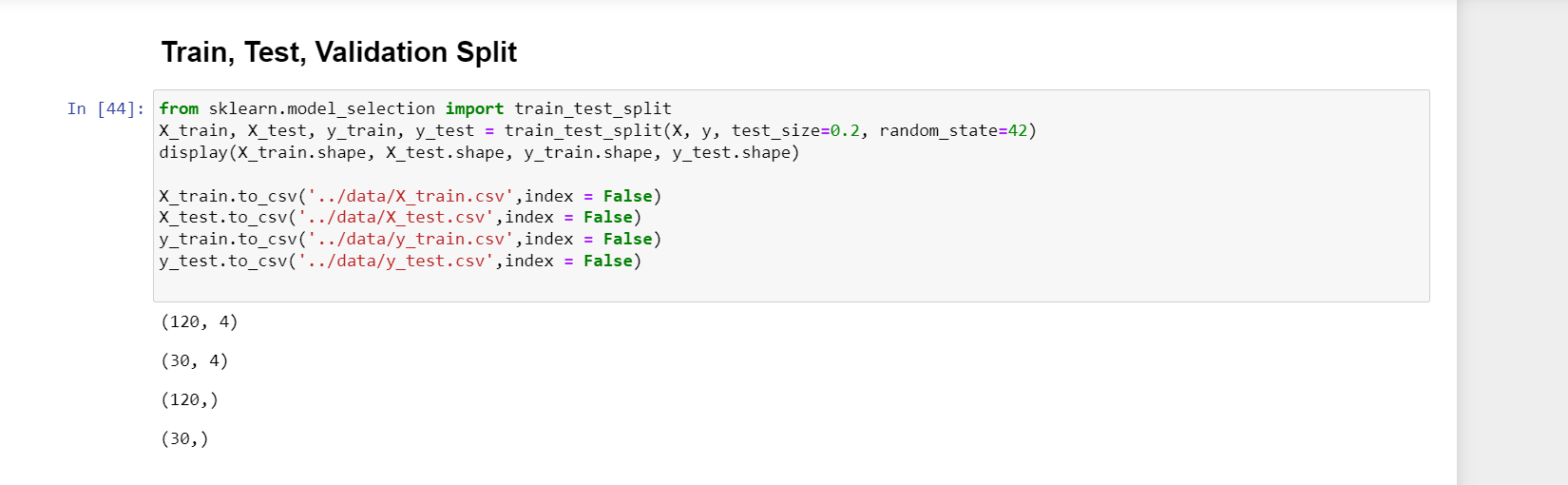


Step: 25 Applying only on continuous data

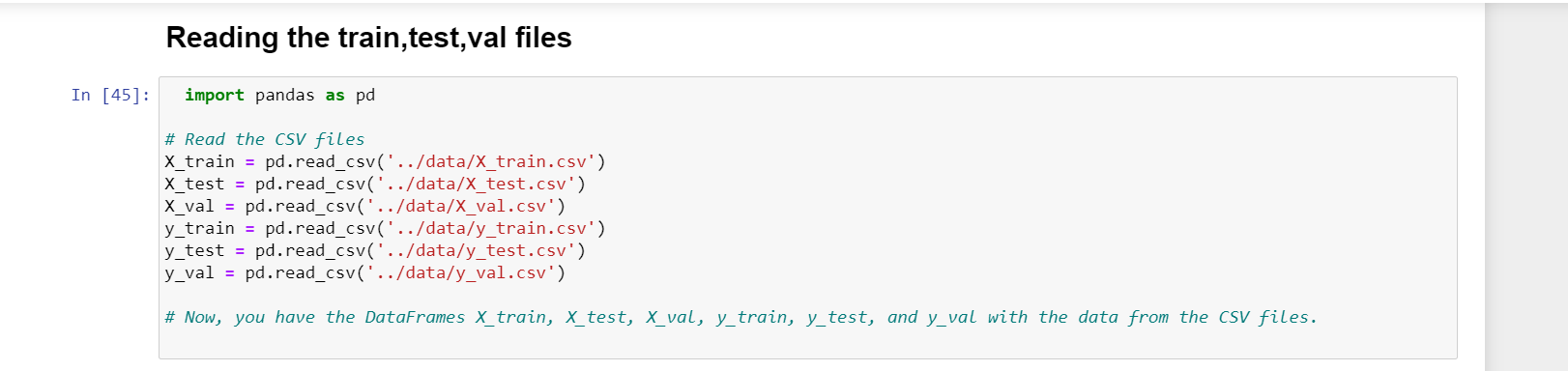
  
Step: 26 Defining fun for feature target Information



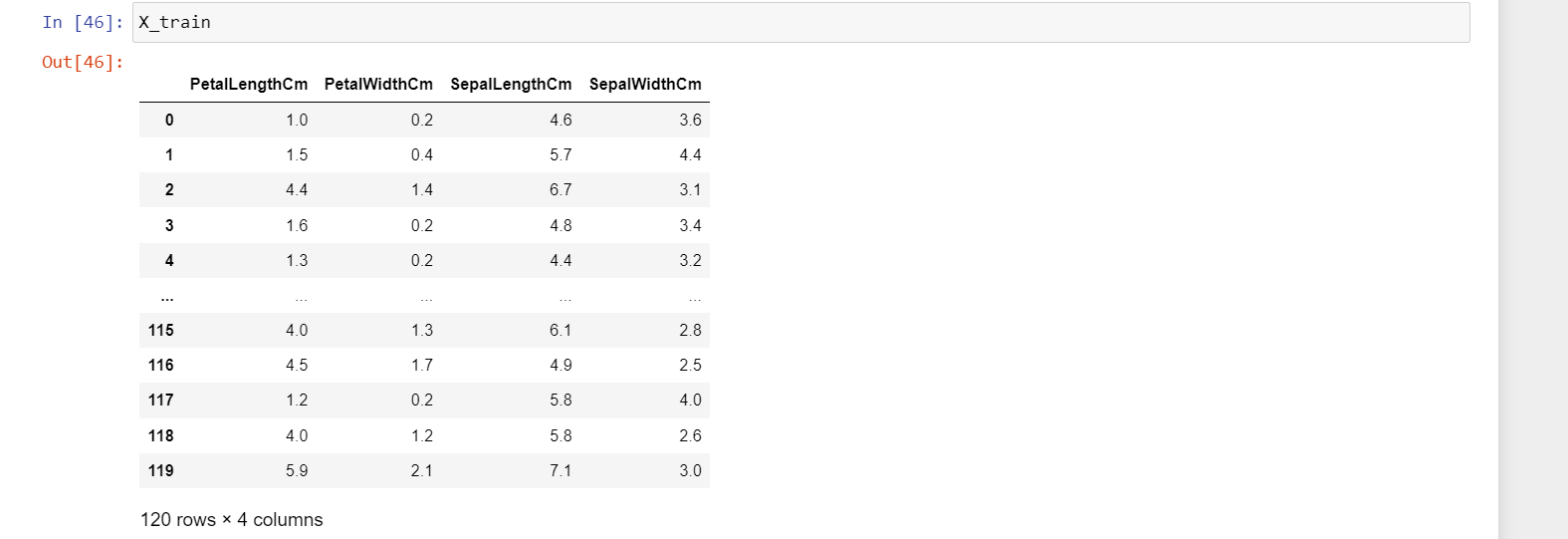
Step:27 Splitting Train , Test, Validation



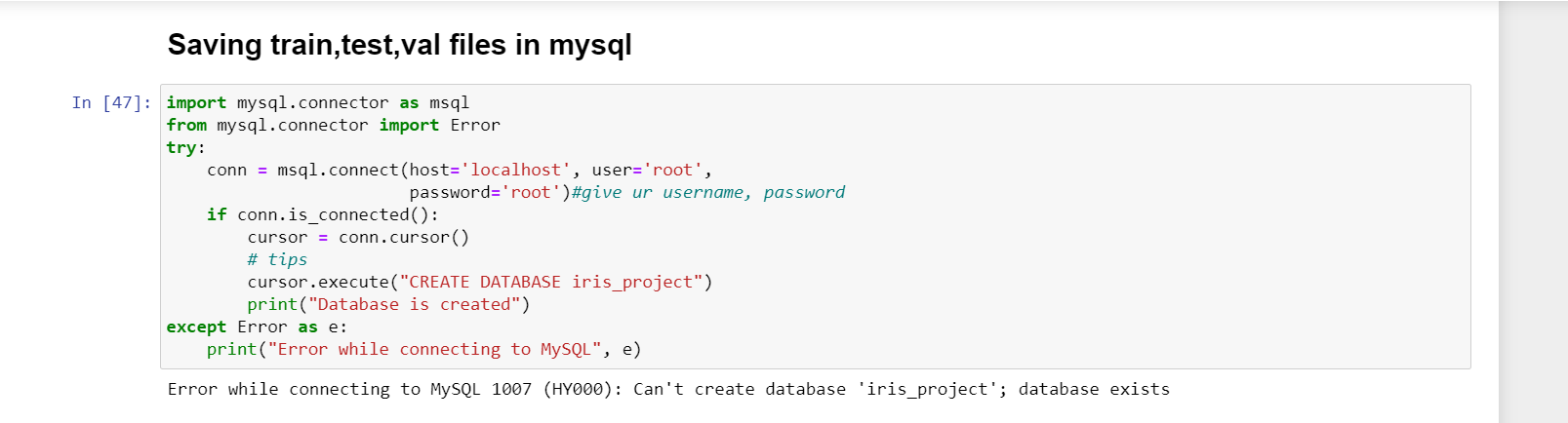
Step: 28 Reading train , test, val files

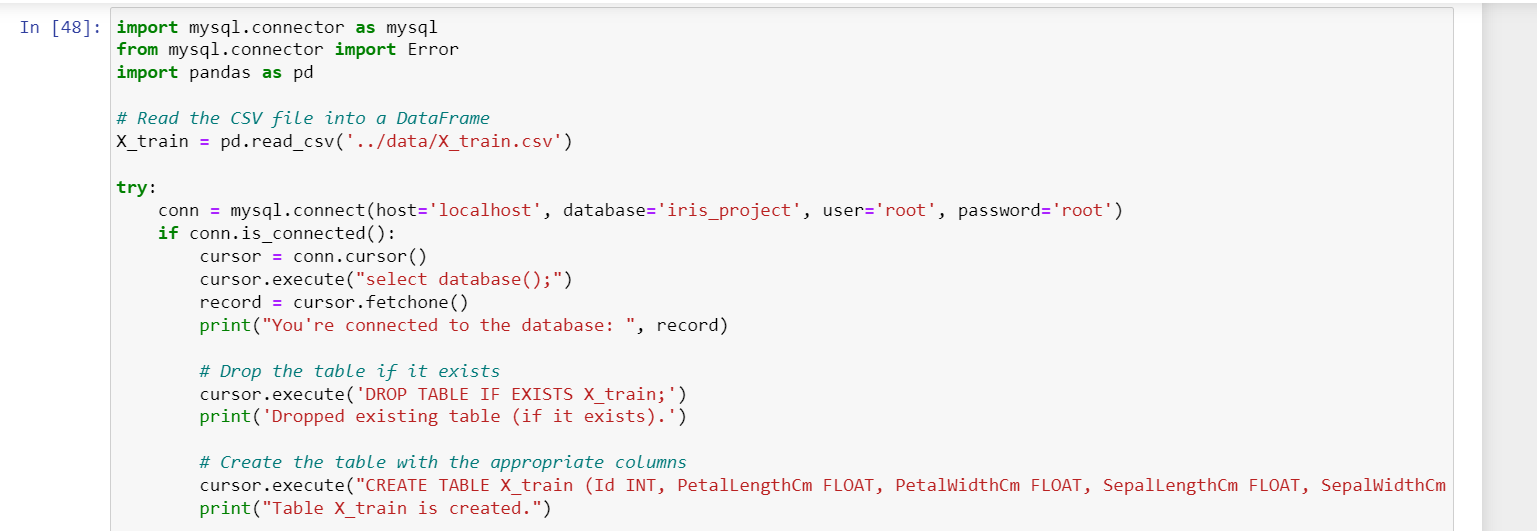


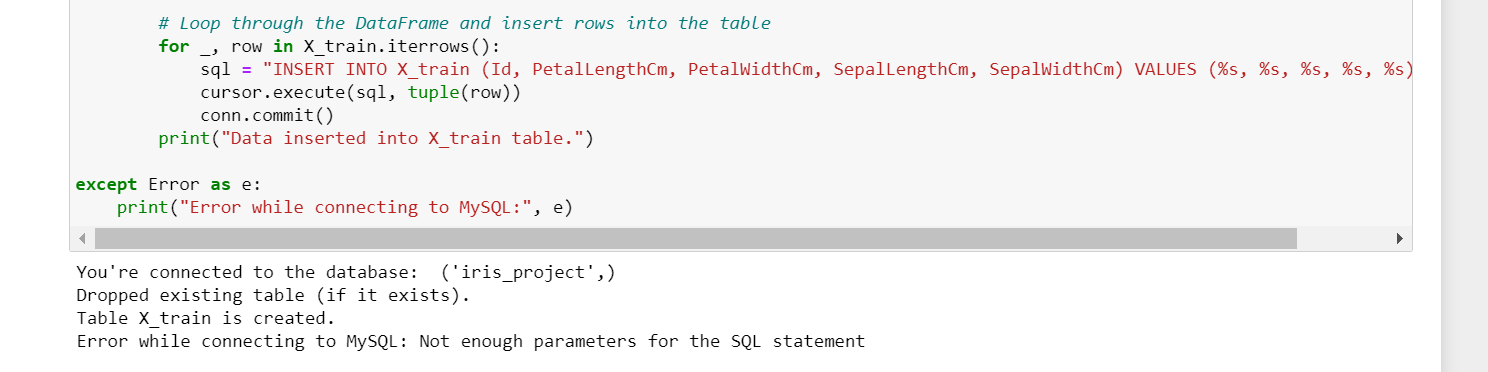
Step: 29 x \_ train



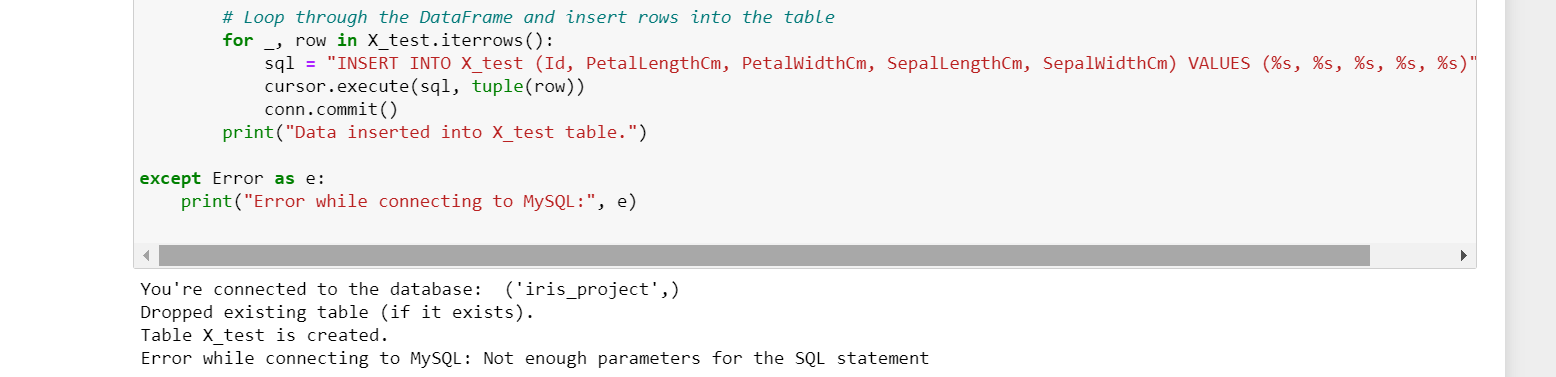
Step :30 Saving train, test, val, files in my sql

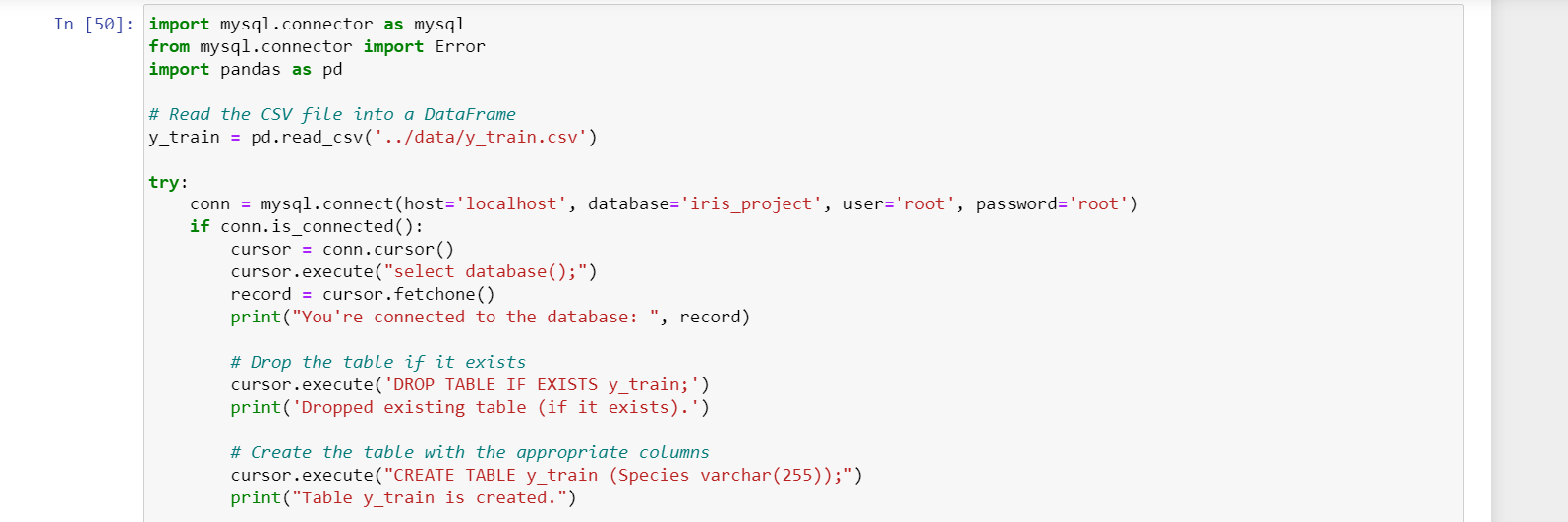






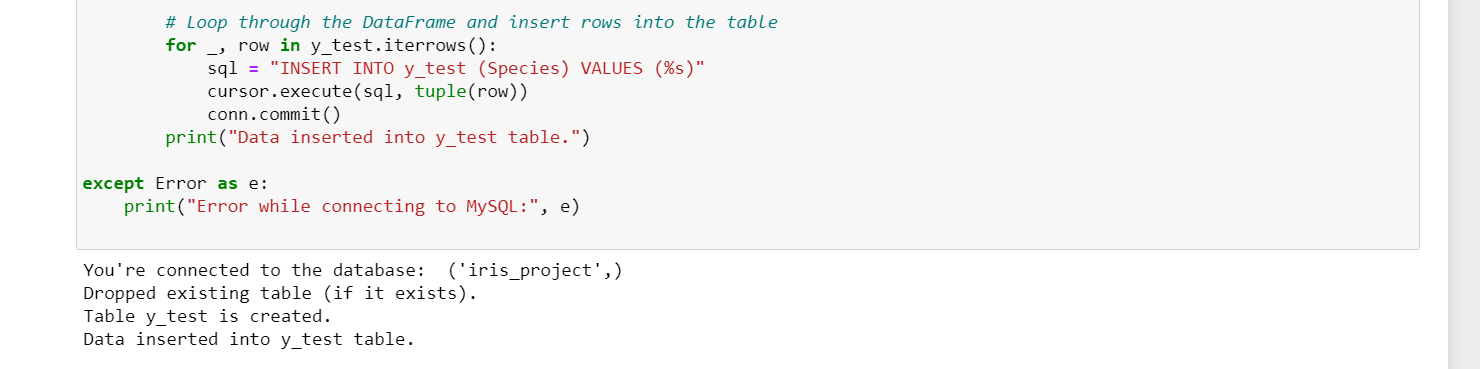


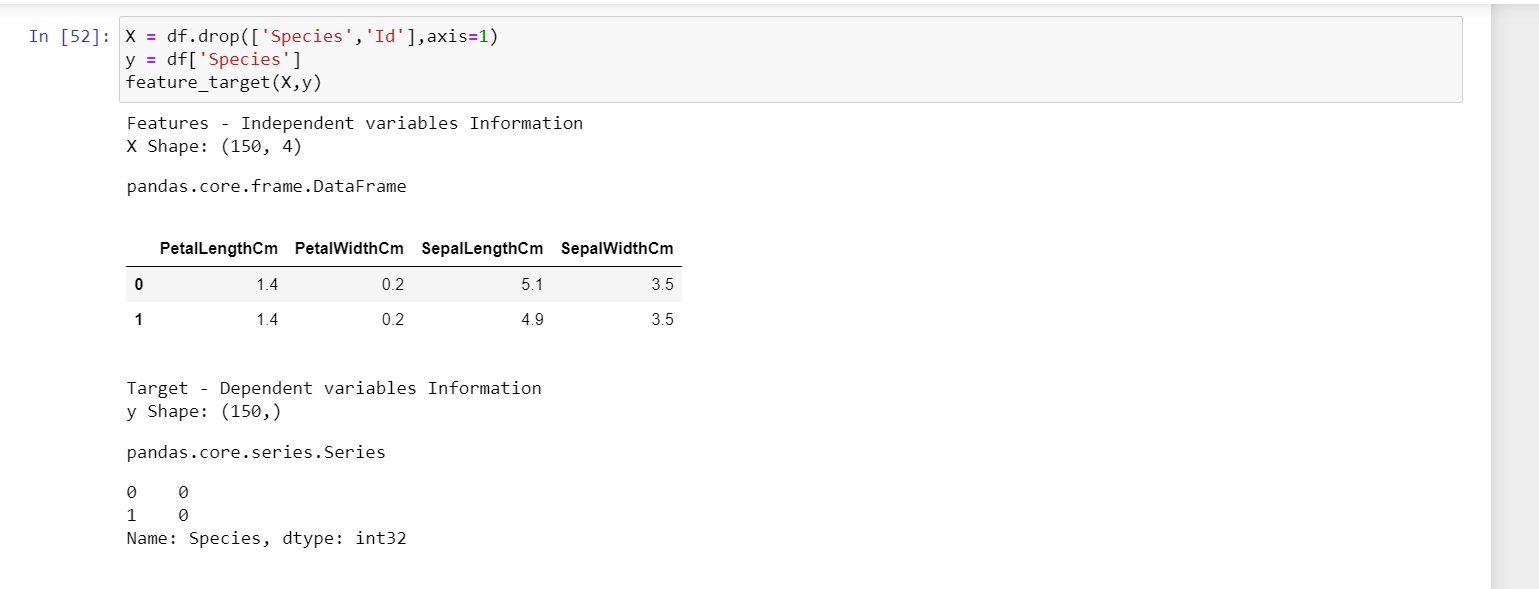




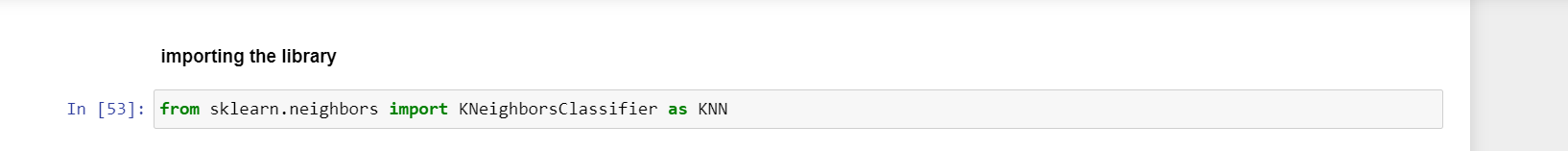






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Step : Importing Libraray



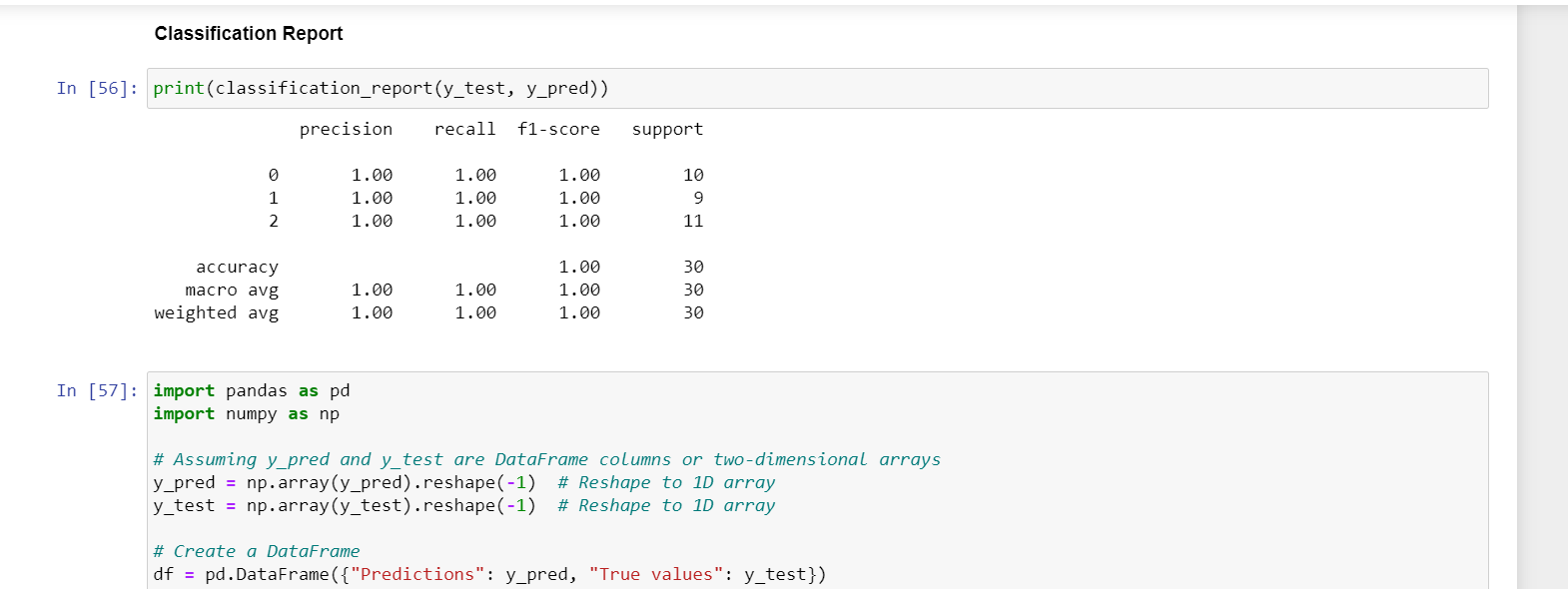
Step: Training and predicting the model



Step : confusion matrix



Step: Classification Report



Step : Calling Df

