**Performance Evaluation Of Machine Learning Algorithms For Disease Prediction**

**Software requirements**

**• Programming Language : Python, Jupyter Notebook**

**• Packages : Numpy,Matplotlib, SKLearn, Pandas, Flask Framework**

**• Tool : Python 3.7**

**Disease prediction dataset details:**

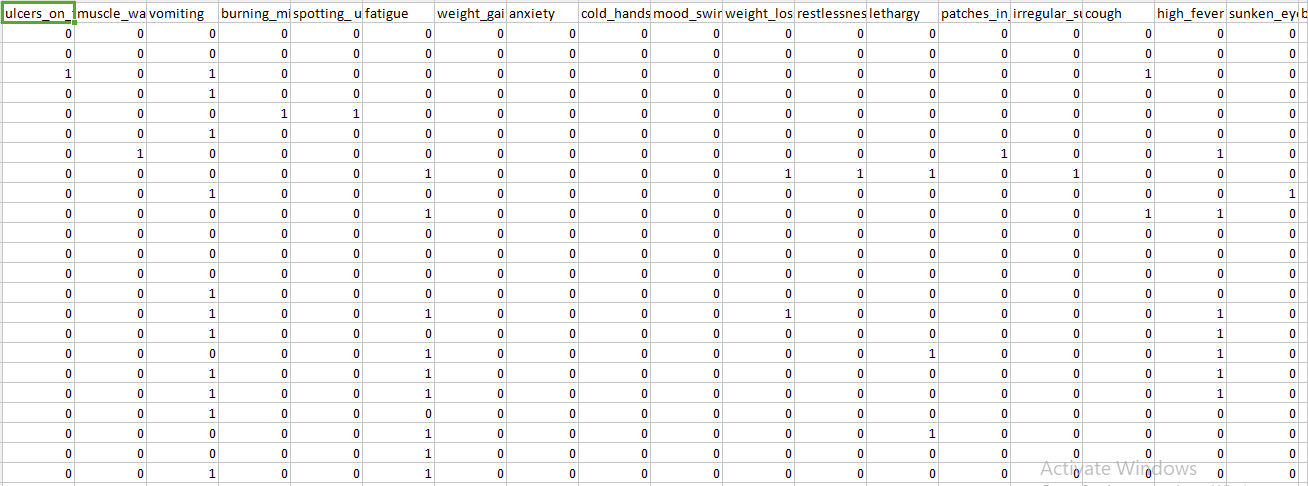
We are collected dataset contains 97 colums and 84 records. Out of 97 columns 96 columns all are features and last column contains disease type.

**Itching, skin\_rash, nodal\_skin\_eruptions, continuous\_sneezing, shivering, chills, joint\_pain, stomach\_pain, acidity, ulcers\_on\_tongue, muscle\_wasting, vomiting, burning\_micturition, spotting\_ urination, fatigue, weight\_gain, anxiety, cold\_hands\_and\_feets, mood\_swings, weight\_loss, restlessness, lethargy, patches\_in\_throat, irregular\_sugar\_level, cough, high\_fever, sunken\_eyes, breathlessness, sweating, dehydration, indigestion, headache, yellowish\_skin, dark\_urine, Nausea, loss\_of\_appetite, pain\_behind\_the\_eyes, back\_pain, constipation, abdominal\_pain, diarrhea, mild\_fever, yellow\_urine, yellowing\_of\_eyes, acute\_liver\_failure, fluid\_overload, swelling\_of\_stomach, swelled\_lymph\_nodes, malaise, blurred\_and\_distorted\_vision, phlegm, throat\_irritation, redness\_of\_eyes, sinus\_pressure, runny\_nose, congestion, chest\_pain, weakness\_in\_limbs, fast\_heart\_rate, \_\_\_\_, prognosis**

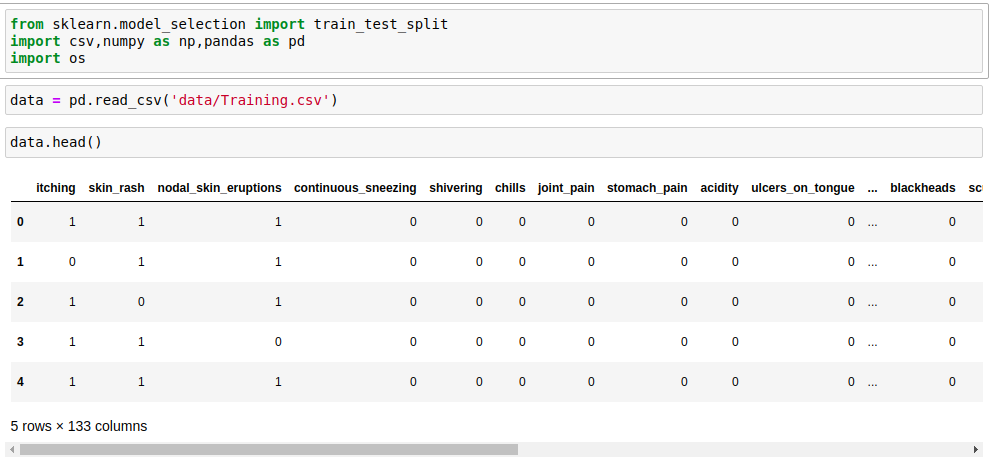
1, 1,1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0, 1, 0, 1, 0, 0, 1, 0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0,1, 0, 1,0,1, 1, Fungal infection

0,1,1,0,0,0,0,1,1,1,,0,0,0,1,0,1,0,1,1,1,1,0,0,0,0,1,1,0,0,1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,,0,

Drug Reaction

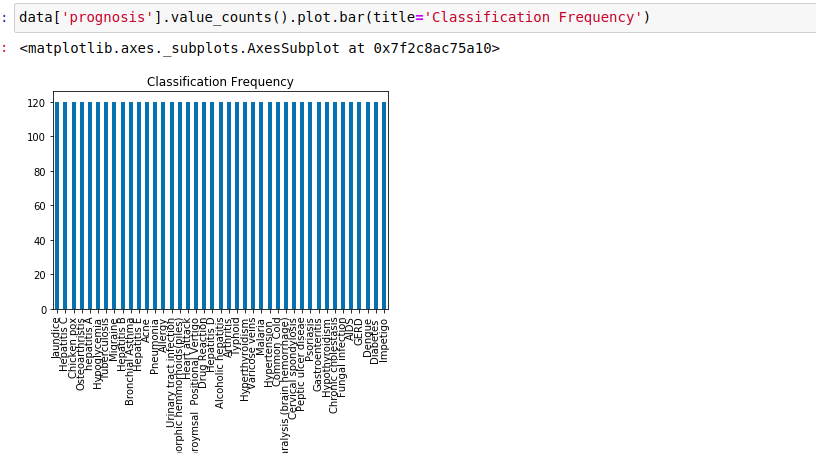


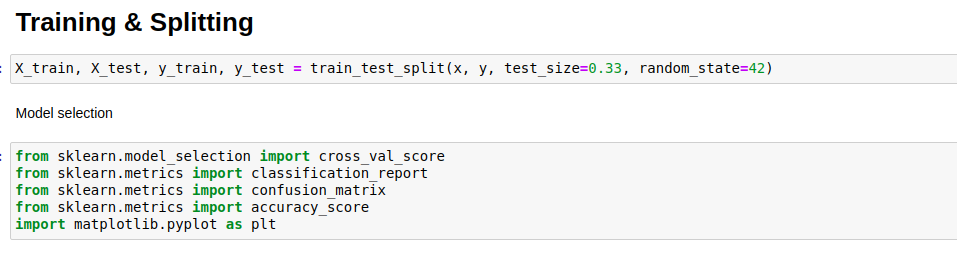
**Import required package and downloading & extracting the dataset**



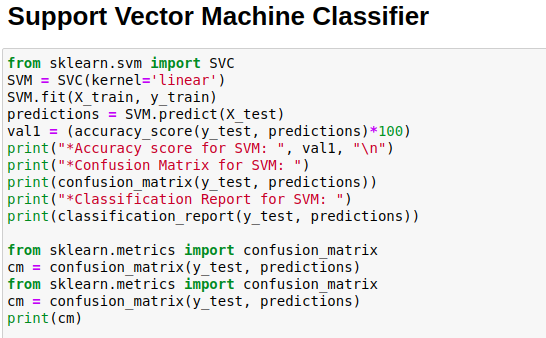
**Data Processing**

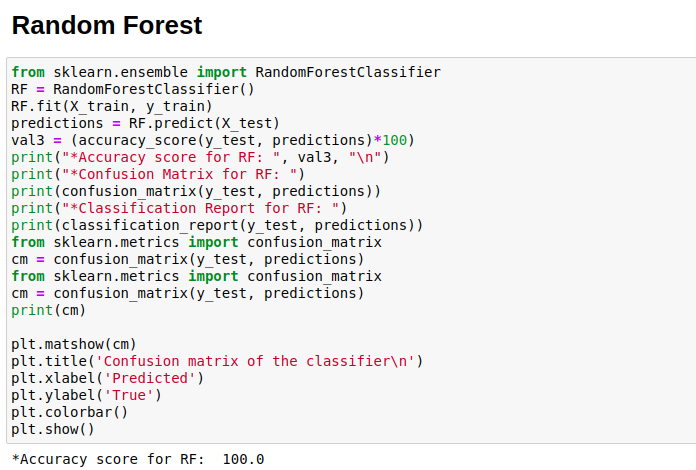
**Outcome Visualization**



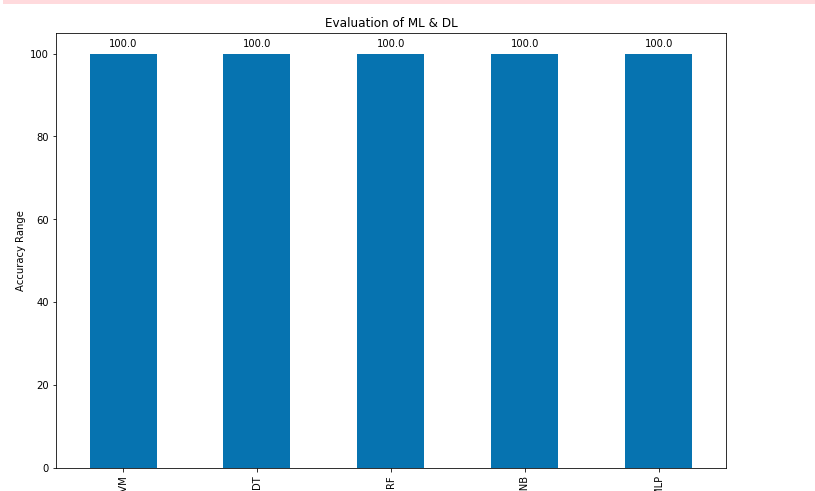


**Training and splitting the data**





**Model Comparison**



**From the above the all are giving better accuracy for prediction**

**Framework**



**SO we are implementing the flask framework for user base disease detection with svm classifier**

