

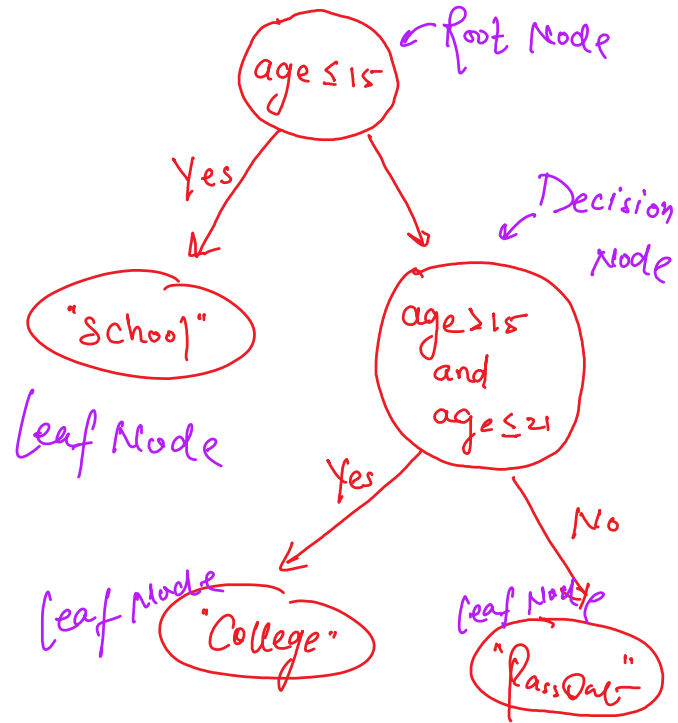
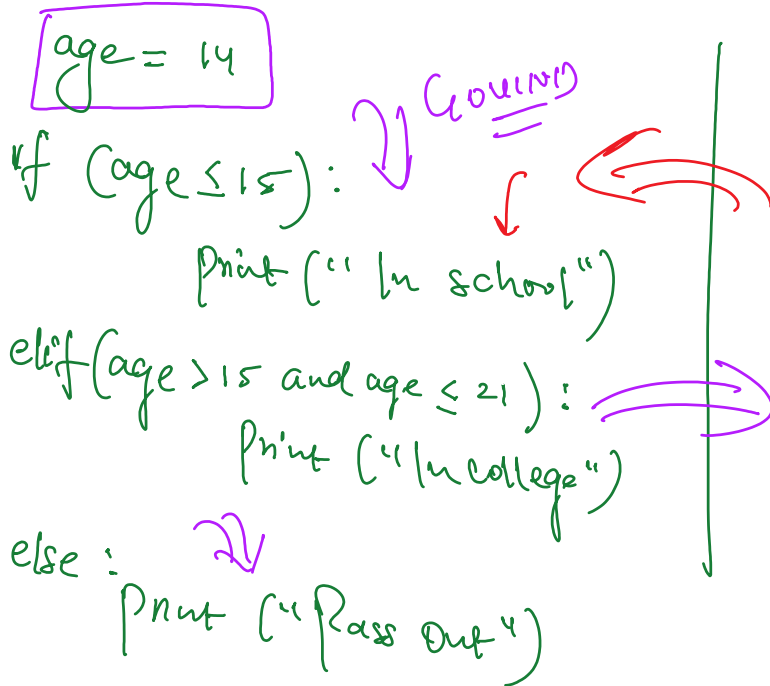
Recap, * Implementation of multiple linear Reg,
* logistic Regression
* Practical implementation
* Play \Rightarrow algorithms } Decision tree mc Alg

Decision Tree ML Algorithm

* It is supervised ML Algorithm

* It is used to solve both Classification and Regression problems.

flow decision tree works!



Allinaptor.com ⇒ Real life Decision Tree model

Very Important dataset:

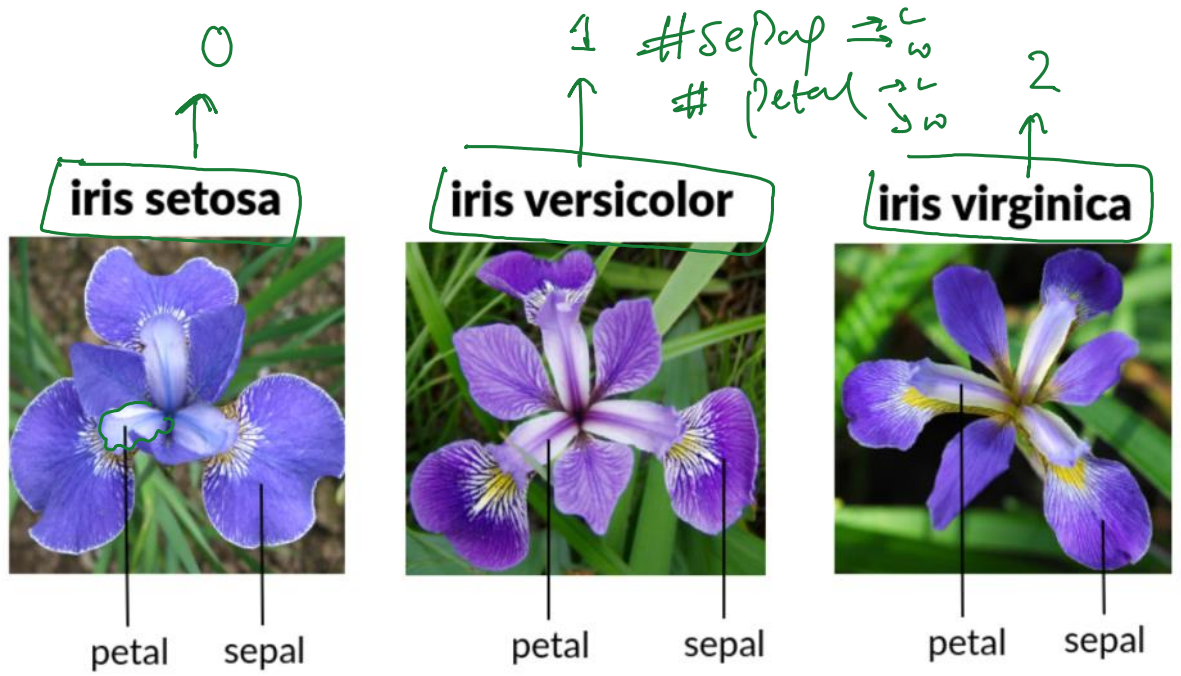
Iris flower dataset:

* It has four input column and one Output

Sepal length	Sepal width	Petal length	Petal width	Target
-	-	-	-	
-	-	-	-	

Iris \rightarrow data \Rightarrow input $\Rightarrow (150 \times 4)$
 \rightarrow target \Rightarrow output $\Rightarrow (150 \times 1)$

Shape $\Rightarrow (150 \times 5)$



homework: Implement decision tree Regressor on
Weather.csv file.

→ Here Humidity is the Output column.

```
>>> from sklearn.tree import DecisionTreeRegressor
```

⇒ r2-score ()