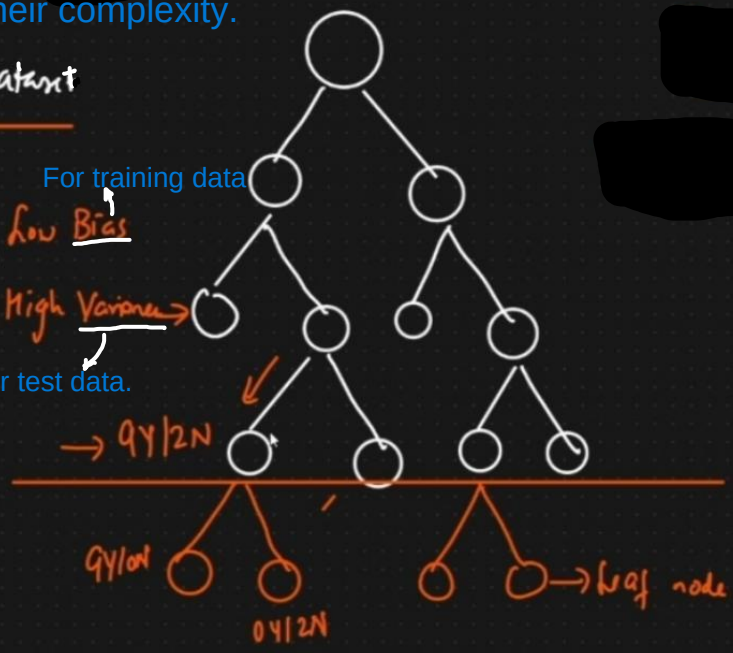
- Prepruning and Postpruning are techniques used in decision trees to prevent overfitting by controlling their complexity.

I've Training dataset



{ Overfitting → Low Bias
High Variance

Train Acc ↑

Test Acc ↓

In order to reduce overfitting :-

Post Pruning → 1) Construct the DT
2) Prune it with respect to depth
3) Smaller datasets

Pre Pruning : Hyperparameter Tuning while constructing DT.

Sklearn

max_depth = 3 , max_feature=