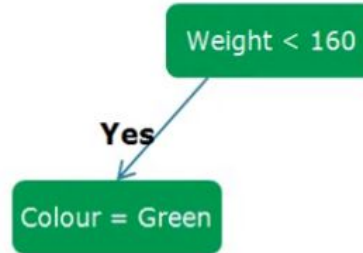


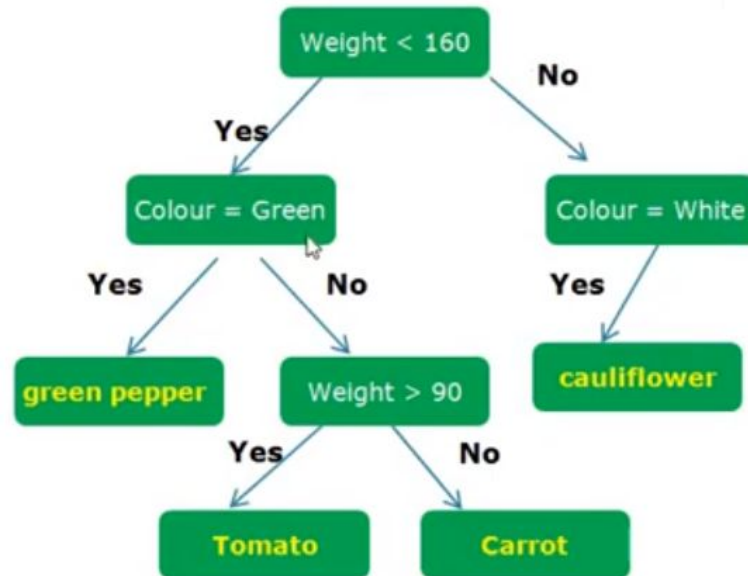
Decision Tree classification

Weight in gm	Colour	Vegetable
61	Red	carrot
800	White	cauliflower
160	Green	cucumber
165	Green	green pepper
100	Red	Tomato
2000	Orange	pumpkin



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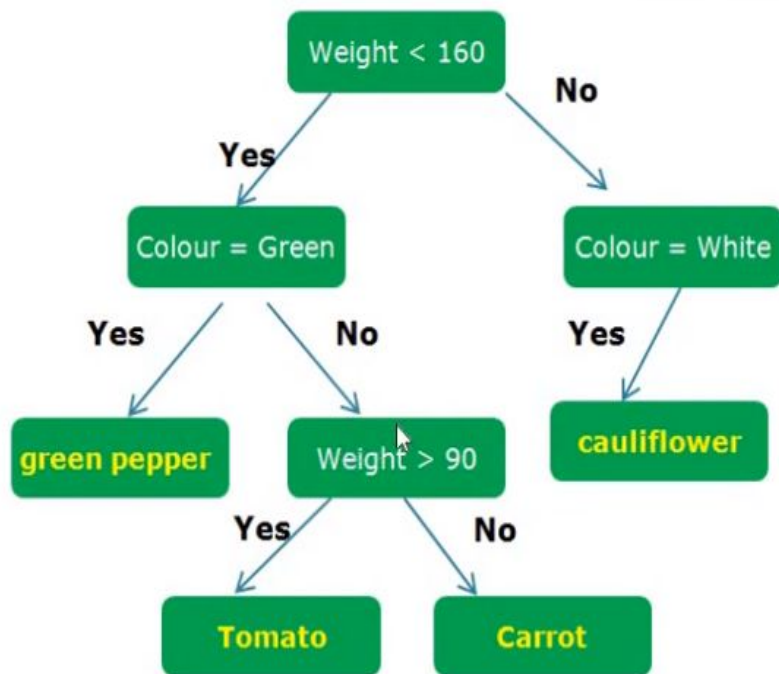


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Prediction

Weight = 80, Colour = Red



Decision Tree : Key Terms

Root Node: The top-most decision node in a decision tree.

Decision Node: A tree node or parent node that splits into one or more child nodes is called a decision node.

Leaf or Terminal Node: Bottom nodes that (generally speaking) don't split any further.

Splitting: Process of dividing a node into two or more child nodes.

Pruning: The opposite process of splitting. Removing the child nodes of a decision node is called pruning.

