**What is difference between CART and C5.0?**

**CART**

1)CART can handle both nominal and numeric attributes to construct a decision tree

2)CART uses Cost – Complexity Pruning to remove redundant branches from the decision tree to improve the accuracy.

3)CART handles missing values by surrogating tests (refers to time series data that is produced using well-defined (linear) model) to approximate outcomes

**C5.0**

1)Uses Information Gain (Entropy) as its splitting criteria.

2)C5.0 pruning technique adopts the Binomial Confidence Limit method.(confidence interval- a measure of uncertainty for a proportion in a statistical population)

3)In a case of handling missing values, C5.0 allows to whether estimate missing values as a function of other attributes or apportions(to divide and share out according to a plan;) the case statistically among the results.