Review questions

- Explain how a distance function can be leveraged to reflect similarity and dissimilarity.

- What does overfitting mean?

- Explain how we can deal with continuous features while building decision tree.

- Show an example that if we have a truth table of Boolean attributes, then we have a unique decision tree where each path in tree corresponds to a row in the truth table.

- What is Ensemble Learning? Why Ensemble Learning techniques are better approaches in most of the cases.

- Suggest two ways to overcome imbalance dataset problem which is considered as one of main issues in machine learning.

- Suggest a way to overcome overfitting in linear regression?

- Why is non-derivative threshold function not suitable in classification?