DATA SCIENCE ASSIGNMENT

Day - 45:

1. What is the key concept behind Gradient Boosting Decision Trees (GBDT)?

2.Which algorithm is known for its ability to handle both categorical and numerical data, and is an improved version of C4.5?

3.What is the purpose of tree pruning in decision trees?

4. What is the role of Out-of-Bag (OOB) samples in Random Forest, and how are they used?

5. **Implement feature importance calculation for your Gradient Boosting algorithm. How would you interpret the importance values?**