**[Que-50.7] - What is overtitting and how can it be prevented?**

* **Overfitting**:
* When a model learns the noise in the training data to the extent that it negatively impacts the model’s performance on new data.
* The model performs well on training data but poorly on testing data.
* **Prevention Techniques**:
* Cross-validation
* Pruning (for decision trees)
* Regularization (L1 and L2)
* Using more training data
* Early stopping during training