**Why hyperparameter tuning is important ?**

**Quiz:**

1. **In the hyperparameter tuning lab, which evaluation metric is used to measure the performance of the logistic regression model?**

Precision

F1-score

Recall

Accuracy

2. **What is the purpose of hyperparameter tuning in machine learning?**

To find the best combination of hyperparameters for the model.

To select the best features for the model.

To adjust the model's internal parameters during training.

3. **What does the plot in final step of the lab indicate?**

The training accuracy of the logistic regression model.

The testing accuracy of the logistic regression model.

The relationship between regularization strength and feature importance.

The impact of hyperparameter tuning on the model's computational resources.