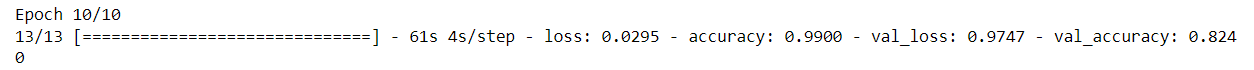
With hyper parameters



we are tuning the following hyperparameters of the CNN model:

1. **Number of Units in Convolutional Layers (conv1\_units, conv2\_units, conv3\_units, conv4\_units)**:
   * Each convolutional layer in the model has a tunable number of units. This parameter controls the number of filters in each convolutional layer, which determines the depth of feature extraction in the CNN.
2. **Number of Units in Dense Layer (dense\_units)**:
   * This hyperparameter controls the number of units in the dense (fully connected) layer of the model. It determines the size of the hidden layer in the network.
3. **Learning Rate (learning\_rate)**:
   * The learning rate determines the step size taken during optimization while training the model. It influences the speed and convergence of the training process.

without

