```
layers.Dense(64, activation='relu'),
layers.Dense(10)
                                                                                                                                                                                       A B B ... I
           history = model.fit(x_train, y_train, epochs=10, validation_data=(x_test, y_test), batch_size=64)
           Python
   [1]
       Downloading data from <a href="https://www.cs.toronto.edu/-kriz/cifar-10-python.tar.gz">https://www.cs.toronto.edu/-kriz/cifar-10-python.tar.gz</a>
178958871/178958871

/usr/local/lib/python3.11/dist-packages/keras/src/layers/convolutional/base_conv.py:113: UserMarning: Do not pass an 'input_shape'/'input_dim' argument to a layer super().__init__(ectivity_regularizer-activity_regularizer, **losengs)

Epoch 1/10

782/782

665 82ms/step - accuracy: 0.3284 - loss: 1.2119 - val_accuracy: 0.5263 - val_loss: 1.3230
         Epoch 2/18
                                         — 79s 79ms/step - accuracy: 0.5483 - loss: 1.2710 - val_accuracy: 0.5816 - val 🕠 Restart Visual Studio Code to apply the latest update.
         782/782 -
Epoch 3/18
                                                                                                                                                                   Activate Notes activate Windows
         782/782
                                           # $25 79ms/step - accuracy: 0.6082 - loss: 1.1895 - val_accuracy: 0.6337 - val
         Epoch 4/18
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 C > Users > Gayatri > Downloads > 👂 Untitled2 (1)Jpynb > 🔷 import turuorillow as tif

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     Downloading data from https://mex.cs.toronto.edu/-kriz/cifer-10-python.tar.gz

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28 Obs/stop
/usr/local/lib/python3.11/dist-peckages/keres/src/layers/convolutional/base_conv.py:113: UserMaraing: On not pass an 'input_shape'/input_dim' organist to a layer
Epoch 1/10

Epoch 1/10
     702/702 —
Epoch 2/10
702/702 —
                                      - 86s 82ms/step - accuracy: 8.3284 - loss: 1.8119 - vel_accuracy: 8.5263 - val_loss: 1.3239
                                      - 79s 79ms/step - accuracy: 0.5483 - loss: 1.2710 - val_accuracy: 0.5836 - val_loss: 1.1841
     782/782 —
Epoch 4/10
                                       #25 79ms/step - accuracy: 0.6002 - loss: 1.3095 - val_accuracy: 0.6337 - val_loss: 1.0290
     702/702 —
Epoch 5/10
                                       22s 79es/step - accuracy: 0.6505 - loss: 0.0074 - val_accuracy: 0.6579 - val_loss: 0.0641
                                       80s 76ms/stup - accuracy: 0.6854 - less: 0.9005 - val_accuracy: 0.6003 - val_loss: 0.0000
    782/782 —
Epoch 7/10
                                       845 78ms/step - accuracy: 0.7017 - loss: 0.8443 - val_accuracy: 0.8930 - val_loss: 0.8840
    702/702 -
                                     - 82s 78ms/step - accuracy: 0.7262 - loss: 0.7865 - val_accuracy: 0.6065 - val_loss: 0.8760
    Epoch 8/10
    702/702 ---
Epoch 9/10
                                      62s 79ms/step - accuracy: 0.7390 - loss: 0.7455 - val_accuracy: 0.6970 - val_loss: 0.8013
                                     - 79s 75ms/step - accuracy: 0.7504 - loss: 0.7005 - val_accuracy: 0.0025 - val_loss: 0.0095
                                      64s #2ms/stem + accuracy: 8.7678 - loss: 8.6662 - val accuracy: 8.7668 - val loss: 8.8634
```