OUTPUT SCREENSHOT

```
libs\debugpy\launcher' '63535' '--' 'C:\Users\Admin\OneDrive\Desktop\PLP\wk3.py'
Accuracy: 1.0
Precision: 1.0
Recall: 1.0
Classification Report:
              precision    recall  f1-score   support

           0       1.00      1.00      1.00        10
           1       1.00      1.00      1.00         9
           2       1.00      1.00      1.00        11

    accuracy                           1.00        30
   macro avg       1.00      1.00      1.00        30
weighted avg       1.00      1.00      1.00        30

Confusion Matrix:
 [[10  0  0]
 [ 0  9  0]
 [ 0  0 11]]
2025-10-15 02:57:50.687847: I tensorflow/core/util/port.cc:153] oneDNN custom operations are on. You may see slightly d
ifferent numerical results due to floating-point round-off errors from different computation orders. To turn them off,
set the environment variable `TF_ENABLE_ONEDNN_OPTS=0`.
2025-10-15 02:58:02.529117: I tensorflow/core/util/port.cc:153] oneDNN custom operations are on. You may see slightly d
ifferent numerical results due to floating-point round-off errors from different computation orders. To turn them off,
set the environment variable `TF_ENABLE_ONEDNN_OPTS=0`.
Downloading data from https://storage.googleapis.com/tensorflow/tf-keras-datasets/mnist.npz
11490434/11490434 ━━━━━━━━━━━━━━━━━━━━ 7s 1us/step
MNIST dataset loaded successfully!
Training data shape: (60000, 28, 28)
```

Python
powershell
Python Deb...

File (PLP) Column Selection Ln 8, Col 21 Spaces: 4 UTF-8 CRLF {} Python Finish Setup 3.11.8

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
Testing data shape: (10000, 28, 28)
c:\Users\Admin\AppData\Local\Programs\Python\Python311\Lib\site-packages\keras\src\layers\convolutional\base_conv.py:11
3: UserWarning: Do not pass an `input_shape`/`input_dim` argument to a layer. When using Sequential models, prefer usin
g an `Input(shape)` object as the first layer in the model instead.
  super().__init__(activity_regularizer=activity_regularizer, **kwargs)
2025-10-15 02:58:15.584520: I tensorflow/core/platform/cpu_feature_guard.cc:210] This TensorFlow binary is optimized to
 use available CPU instructions in performance-critical operations.
To enable the following instructions: SSE3 SSE4.1 SSE4.2 AVX AVX2 FMA, in other operations, rebuild TensorFlow with the
 appropriate compiler flags.
Epoch 1/5
1875/1875 ━━━━━━━━━━━━━━━━━━━━ 49s 23ms/step - accuracy: 0.9511 - loss: 0.1561 - val_accuracy: 0.9827 - val_loss: 0.052
9
Epoch 2/5
1875/1875 ━━━━━━━━━━━━━━━━━━━━ 38s 20ms/step - accuracy: 0.9845 - loss: 0.0507 - val_accuracy: 0.9883 - val_loss: 0.037
3
Epoch 3/5
1875/1875 ━━━━━━━━━━━━━━━━━━━━ 44s 23ms/step - accuracy: 0.9890 - loss: 0.0350 - val_accuracy: 0.9893 - val_loss: 0.034
0
Epoch 4/5
1875/1875 ━━━━━━━━━━━━━━━━━━━━ 84s 25ms/step - accuracy: 0.9917 - loss: 0.0268 - val_accuracy: 0.9893 - val_loss: 0.032
2
Epoch 5/5
1875/1875 ━━━━━━━━━━━━━━━━━━━━ 50s 27ms/step - accuracy: 0.9938 - loss: 0.0197 - val_accuracy: 0.9891 - val_loss: 0.036
0
Test Accuracy: 0.9891
WARNING:absl:You are saving your model as an HDF5 file via `model.save()` or `keras.saving.save_model(model)`. This fil
e format is considered legacy. We recommend using instead the native Keras format, e.g. `model.save('my_model.keras')`
or `keras.saving.save_model(model, 'my_model.keras')`.
PS C:\Users\Admin\OneDrive\Desktop\PLP>
```

Python
powershell
Python Deb...

ent File (PLP) Column Selection Ln 8, Col 21 Spaces: 4 UTF-8 CRLF {} Python Finish Setup 3.11.8