**Convolutional Neural Network (CNN) Project**

**Overview**

This project uses a CNN to classify handwritten digits from the MNIST dataset. It implements TensorFlow's tutorials for training and evaluating a CNN model.

## ****Steps to Run****

1. Install required libraries:

pip install tensorflow numpy matplotlib pillow

Run the main.py script to:

* Download and preprocess the MNIST dataset.
* Train the CNN model.
* Save and visualize 10 sample images and evaluation results.

**Outputs**

* Sample images and testing results screenshots.
* Trained model performance metrics.