

# Test Notebook

This notebook is used for testing and experimentation with the MNIST dataset.

## Dependencies

Import required libraries and modules

In [1]:

```
import sys
```

```
import os
```

```
# Add project root to Python path
```

```
current_dir = os.getcwd()
```

```
project_root = os.path.dirname(current_dir)
```

```
sys.path.append(project_root)
```

```
import numpy as np
```

```
import matplotlib.pyplot as plt
```

```
import seaborn as sns
```

```
import pandas as pd
```

## Reference to Main Notebook

This notebook is referenced in `MNIST_introduction_and_visualisation.py` for testing purposes.