DEEP LEARNING PRACTICAL 4

Vishesh Gupta

J018

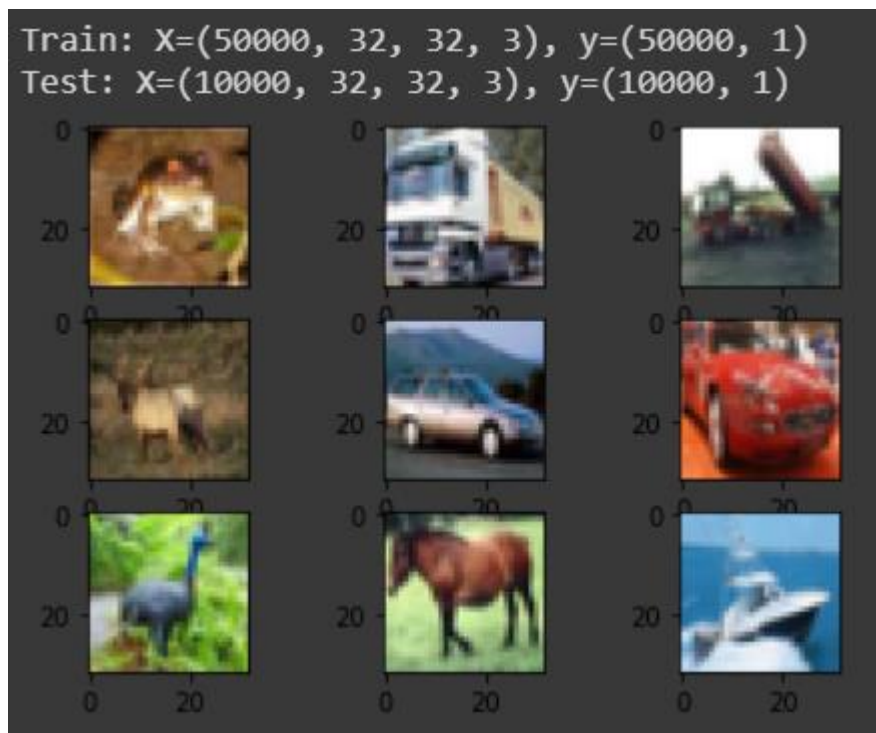**BTech Data Science 3rd year**

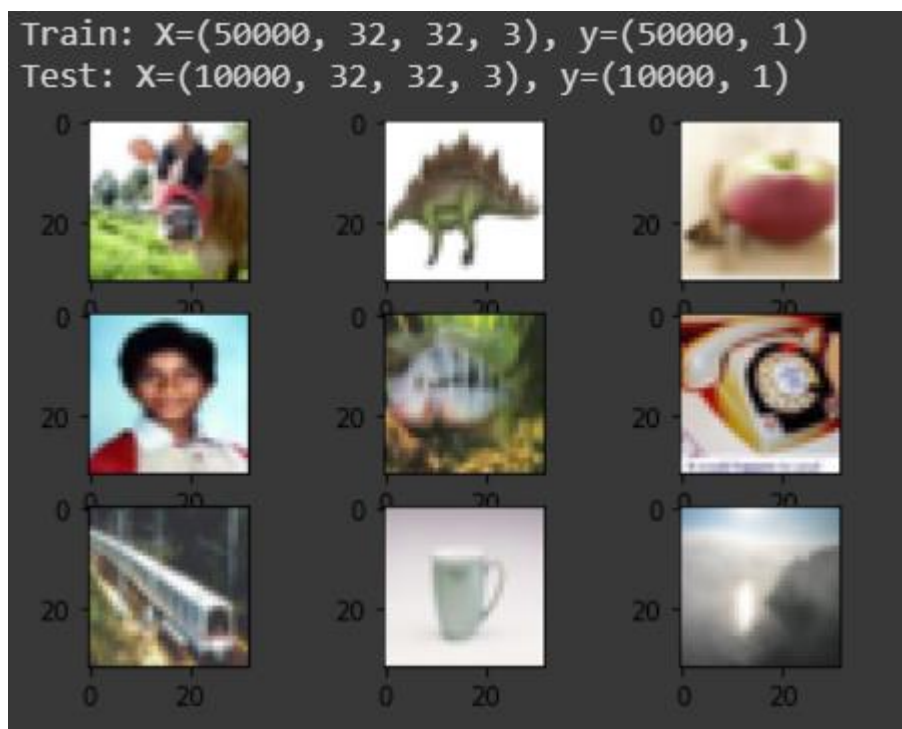**Code :-** https://github.com/visheshtechie/DL/blob/master/Lab4_Keras_Datasets_J018.ipynb

Aim :-

To display first 9 images of four datasets CIFAR10, CIFAR100, MNIST, Fashion MNIST
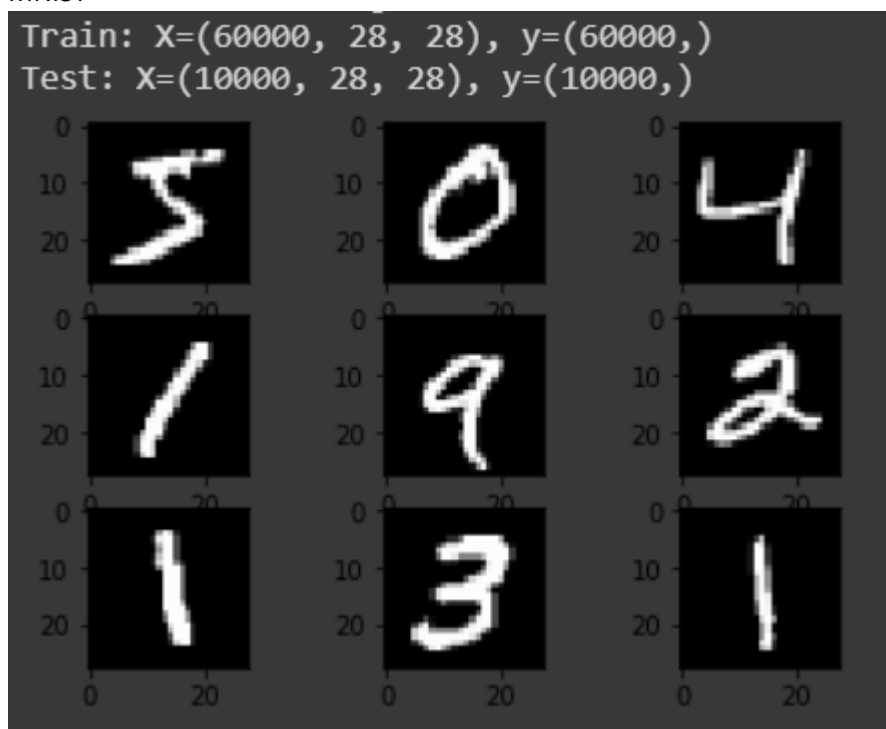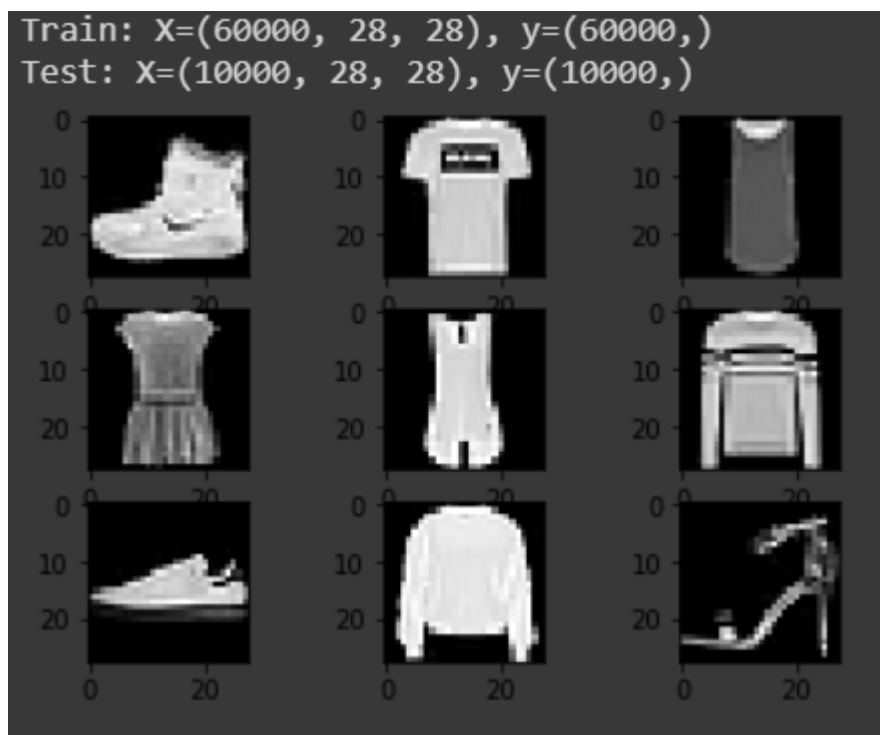
Observations :-

1. CIFAR10

2. CIFAR100

```
Train: X=(50000, 32, 32, 3), y=(50000, 1)
Test: X=(10000, 32, 32, 3), y=(10000, 1)
```

3. MNIST


```
Train: X=(60000, 28, 28), y=(60000,)
Test: X=(10000, 28, 28), y=(10000,)
```

4. Fashion MNIST

```
Train: X=(60000, 28, 28), y=(60000,)
Test: X=(10000, 28, 28), y=(10000,)
```

Conclusion :-

We successfully displayed images of this 4 datasets.