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0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,
0, 0]], dtype=uint8)

```

Input:

```
y_train[0]
```

Output:

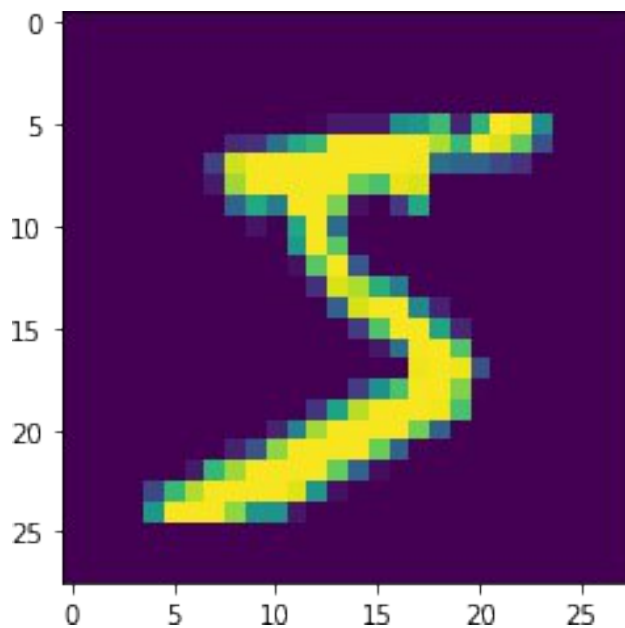
```
5
```

Input:

```

Import matplotlib.pyplot as plt
plt.imshow(X_train[0])

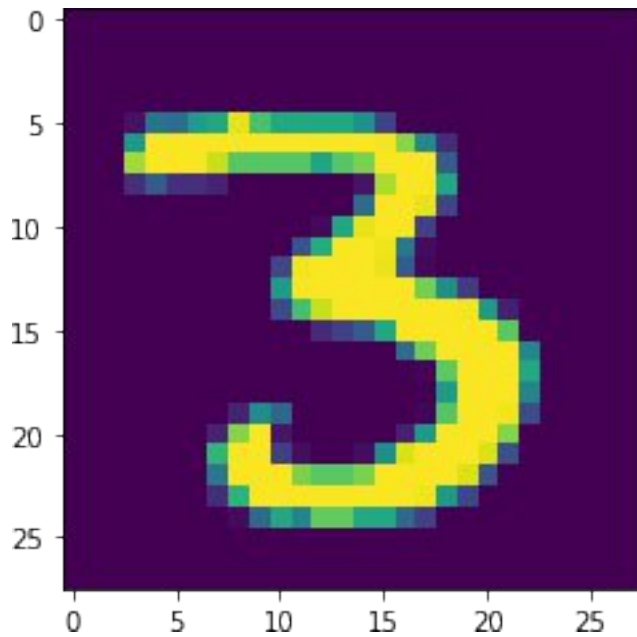
```



Input:

```
plt.imshow(X_train[12])
```

Output:



4.Reshaping the data

```
X_train=X_train.reshape(60000, 28, 28, 1).astype('float32')  
X_test=X_test.reshape(10000, 28, 28, 1).astype('float32')
```

5.Apply one-Hot Encoding

```
number_of_classes= 10  
y_train=np_utils.to_categorical(y_train, number_of_classes)  
y_test=np_utils.to_categorical(y_test, number_of_classes)
```

Input:

```
y_train[0]
```

Output:

```
array([0., 0., 0., 0., 0., 1., 0., 0., 0., 0.], dtype=float32)
```