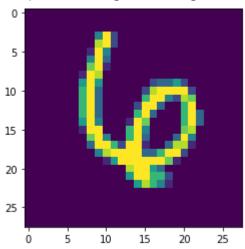
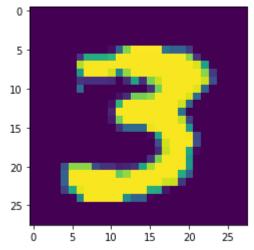
from keras.datasets import mnist
import matplotlib.pyplot as plt
from keras.utils import np_utils

print("The label value is ",y_test[22])
plt.imshow(X_test[22])

The label value is 6 <matplotlib.image.AxesImage at 0x7f312be20f50>



print("The label value is ",y_train[27])
plt.imshow(X_train[27])



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

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)

print("After encoding the value 6 of y_test[22] become", y_test[22])

After encoding the value 6 of y_test[22] become [0. 0. 0. 0. 0. 0. 0. 0. 0. 0.]
```