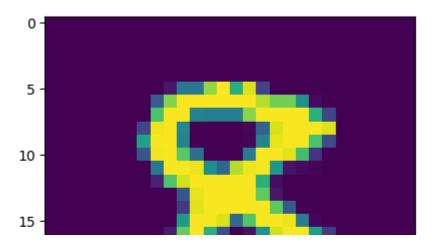
```
import tensorflow as tf
from keras.models import Sequential
from keras.datasets import mnist
import matplotlib.pyplot as plt
import numpy as np
import random
(x_train,y_train),(x_test,y_test)=mnist.load_data()
x_train=x_train/255
x_test=x_test/255
   Downloading data from <a href="https://storage.googleapis.com/tensorflow/tf-keras-dataset">https://storage.googleapis.com/tensorflow/tf-keras-dataset</a>
    import keras
model=keras.Sequential()
model.add(keras.layers.Flatten(input_shape=(28,28)))
model.add(keras.layers.Dense(128,activation='relu'))
model.add(keras.layers.Dense(10,activation='softmax'))
model.summary()
   Model: "sequential"
    Layer (type)
                             Output Shape
                                                   Param #
    ______
    flatten (Flatten)
                             (None, 784)
    dense (Dense)
                             (None, 128)
                                                   100480
                             (None, 10)
    dense 1 (Dense)
                                                   1290
    ______
   Total params: 101770 (397.54 KB)
    Trainable params: 101770 (397.54 KB)
   Non-trainable params: 0 (0.00 Byte)
model.compile(optimizer='sgd', loss='sparse_categorical_crossentropy', metrics=["Accurate"]
H=model.fit(x_train,y_train,validation_data=(x_test,y_test),epochs=5)
    Epoch 1/5
```

n=random.randint(0,999)
plt.imshow(x_test[n])
plt.show()



prediction=model.predict(x_test)
print("The handwritten number in the image is %d"%np.argmax(prediction[n]))