In [1]:
```
#importing the required libraries
import pandas as pd
import numpy as np
import seaborn as sns
import matplotlib.pyplot as plt
from keras.datasets import mnist
from keras.layers import Dense, Flatten, MaxPooling2D, Dropout
from keras.layers.convolutional import Conv2D
from keras.models import Sequential
from keras.utils import to_categorical
import cv2
```

In [2]:
```
(X_train, y_train), (X_test, y_test) = mnist.load_data()
```

In [3]:
```
#Analyzing the Data
plt.imshow(X_train[0], cmap="binary")
plt.show()
print (y_train[0])
```