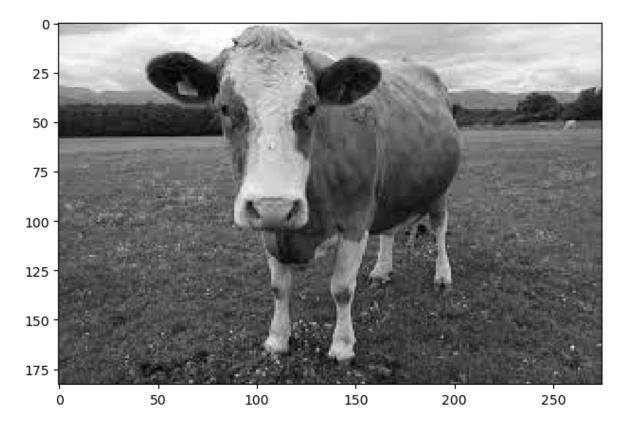
```
In [8]: #Grayscale Pixel Values as Features
   import pandas as pd
   import numpy as np
   import matplotlib.pyplot as plt
   %matplotlib inline
   from skimage.io import imread, imshow

image = imread('b.png', as_gray=True)
   imshow(image)
```

Out[8]: <matplotlib.image.AxesImage at 0x183d6940880>



```
In [9]: #checking image shape
image.shape, image
```

```
In [11]:
         features = np.reshape(image, (183*275))
         features.shape, features
Out[11]: ((50325,),
          array([0.74479451, 0.74479451, 0.74087294, ..., 0.24837843, 0.26014314,
                 0.27975098]))
In [16]: #Mean Pixel Value of Channels
         image = imread('b.png')
         image.shape
Out[16]: (183, 275, 3)
In [17]: image = imread('b.png')
         feature_matrix = np.zeros((183,275))
         feature_matrix.shape
Out[17]: (183, 275)
In [20]: for i in range(0,image.shape[0]):
             for j in range(0,image.shape[1]):
                 feature_matrix[i][j] = ((int(image[i,j,0]) + int(image[i,j,1]) + int(int)
In [22]: features = np.reshape(feature matrix, (183*275))
         features.shape
Out[22]: (50325,)
In [ ]:
```