## Create any of the image processing projects using Numpy and Open cv

100

200

300 pixel column

```
from skimage import io
         import numpy as np
         import matplotlib.pyplot as plt
In [2]:
         siblings_image = io.imread('img.jpg')
In [3]:
         io.imshow(siblings_image)
        <matplotlib.image.AxesImage at 0x7fdddedd9900>
Out[3]:
          50 -
         100
         150
         200
         250
         300
         350
                                   300
                                           400
                           200
         origin_px = siblings_image[0,0]
         x, y, z = np.shape(siblings_image)
In [6]:
         middle_px = siblings_image[x//2, y//2, z//2]
         def scanLine(f, I=0, loc="row"):
             if loc=="row":
                 return f[I,:]
             elif loc == "col":
                 return f[:,I]
         s = scanLine(siblings_image, x//2, "row")
In [9]:
         plt.plot(s)
         plt.xlabel("pixel column")
         plt.ylabel("intensity")
Out[9]: Text(0, 0.5, 'intensity')
           250
           200
         intensity
150
           100
```