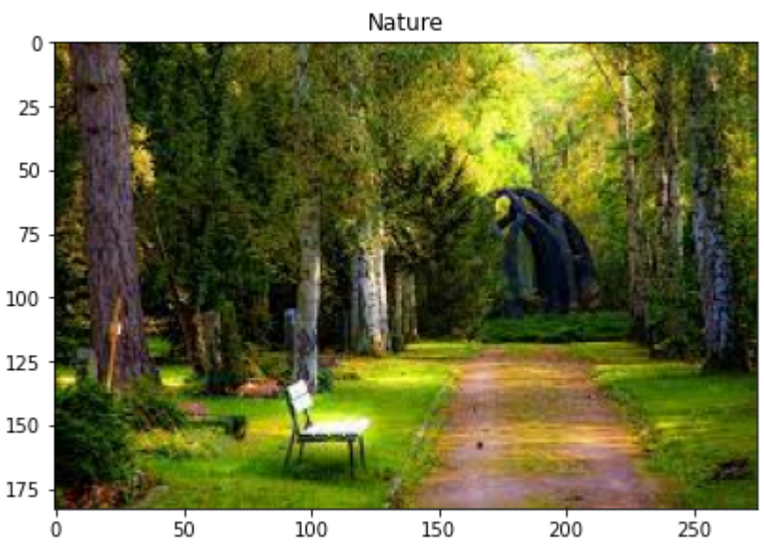
In [1]:
```
#import lib

import cv2
from matplotlib import pyplot as plt
```

In [2]:
```
# Define our imshow function
def imshow(title = "Image", image = None, size = 10):
    w, h = image.shape[0], image.shape[1]
    aspect_ratio = w/h
    plt.figure(figsize=(size * aspect_ratio,size))
    plt.imshow(cv2.cvtColor(image, cv2.COLOR_BGR2RGB))
    plt.title(title)
    plt.show()
```

In [3]:
```
image=cv2.imread("download.jpg")

imshow('Nature',image)
```



In [4]:
```
image.shape[:2]
def imshow(title = "", image = None, size = 10):

    # The line below is changed from w, h to h, w
    h, w = image.shape[0], image.shape[1]
    aspect_ratio = w/h

    plt.figure(figsize=(size * aspect_ratio, size))
    plt.imshow(cv2.cvtColor(image, cv2.COLOR_BGR2RGB))
    plt.title(title)
    plt.show()
```

In [5]:
```
#gray_color image processing

gray_image=cv2.cvtColor(image,cv2.COLOR_BGR2GRAY)

imshow('converted to gray',gray_image)
```

In [7]:
```
gray_image.shape
```

Out[7]:
```
(183, 275)
```

In [ ]:
```

```