This hog is a feature descriptors used for processing,simplifying the image.

libraries imported

After giving an input image ,

• cv2.imread() is used to read the image

• face\_recognition - Library used for face recognition. , it calls a function called load\_image\_file

which converts the loaded image into a FaceRecognition object.

face\_location() function is used for Feature extraction.It extracts the coordinates from a given image likie top, right, bottom, left.

using cv2 rectangle method, a rectangle is drawn around the detected face. the coordinates required here are

Syntax: cv2.rectangle(image, start\_point, end\_point, color, thickness)

Parameters:

image: It is the image on which rectangle is to be drawn.

start\_point: It is the starting coordinates of rectangle.

end\_point: It is the ending coordinates of rectangle.

color: It is the color of border line of rectangle to be drawn.

thickness: It is the thickness of the rectangle border line in px.