**Code**

import cv2

#trianed data

trainData=cv2.CascadeClassifier('haarcascade\_frontalface\_default.xml')

#read and show image

image=cv2.imread('C:/Users/fjwu/Desktop/11.jpg')

cv2.imshow('Quaid',image)

cv2.waitKey()

#convert to gray scale

gray=cv2.cvtColor(image,cv2.COLOR\_BGR2GRAY)

cv2.imshow('Quaid1',gray)

cv2.waitKey()

face\_coordinates=trainData.detectMultiScale(gray)

print(face\_coordinates)

for (x,y,w,h) in face\_coordinates:

#drawing rect around face detected.

cv2.rectangle(image,(x,y),(x+w,y+h),(0,0,255),3)

cv2.imshow('Quaid2',image)

cv2.waitKey()

**Output:**









