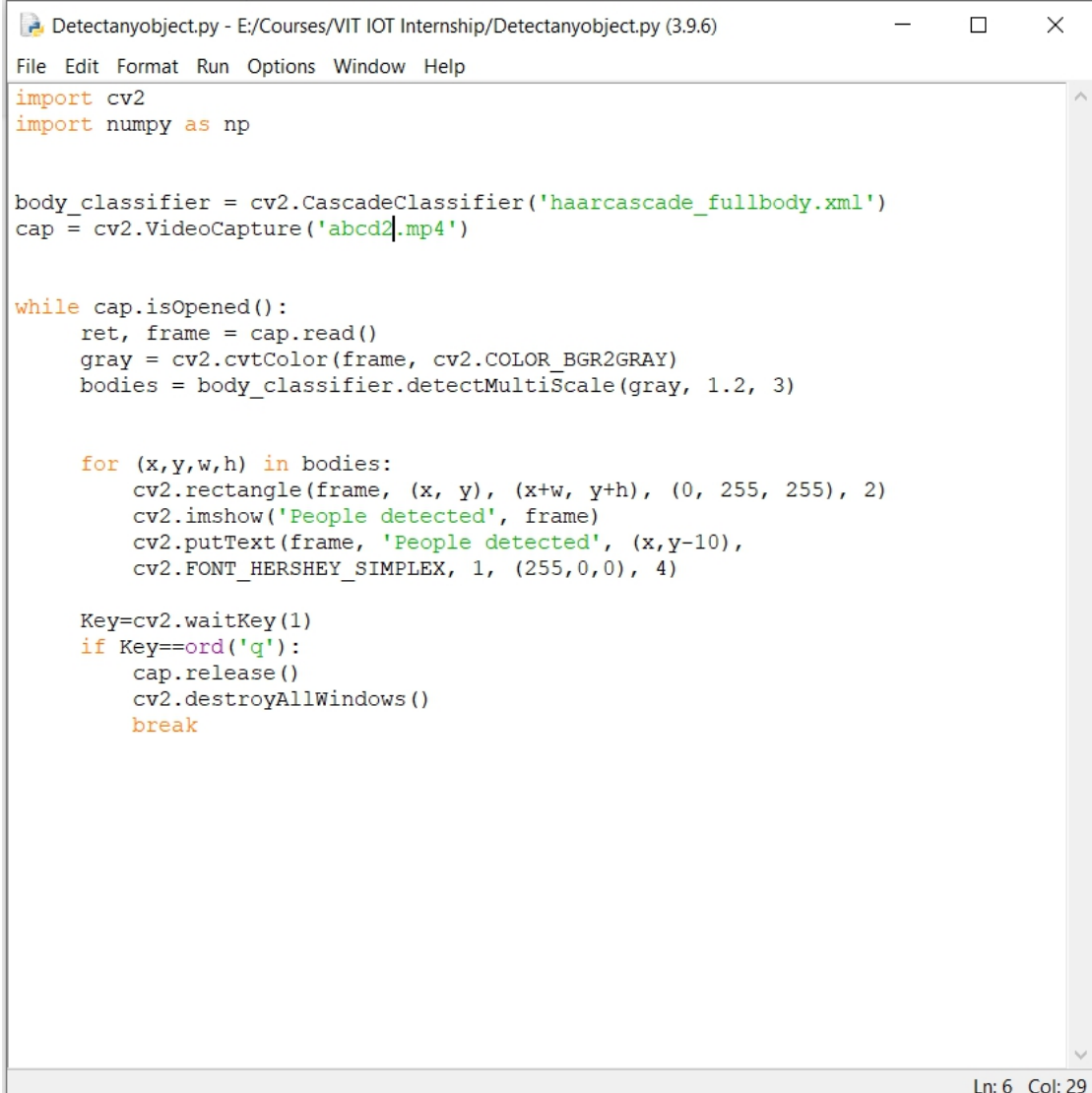# Siddharth Gurnani 19BCE10014

Code:

```
Detectanyobject.py - E:/Courses/VIT IOT Internship/Detectanyobject.py (3.9.6)
File  Edit  Format  Run  Options  Window  Help

import cv2
import numpy as np


body_classifier = cv2.CascadeClassifier('haarcascade_fullbody.xml')
cap = cv2.VideoCapture('abcd2.mp4')


while cap.isOpened():
    ret, frame = cap.read()
    gray = cv2.cvtColor(frame, cv2.COLOR_BGR2GRAY)
    bodies = body_classifier.detectMultiScale(gray, 1.2, 3)


    for (x,y,w,h) in bodies:
        cv2.rectangle(frame, (x, y), (x+w, y+h), (0, 255, 255), 2)
        cv2.imshow('People detected', frame)
        cv2.putText(frame, 'People detected', (x,y-10),
        cv2.FONT_HERSHEY_SIMPLEX, 1, (255,0,0), 4)

    Key=cv2.waitKey(1)
    if Key==ord('q'):
        cap.release()
        cv2.destroyAllWindows()
        break
```

Ln: 6 Col: 29