

```
# This function will return a boolean variable telling if someone was present
or not, it will also draw boxes if it
```

```
# finds someone
```

```
dim = (width, height)
```

```
frame = cv2.resize(frame, dim, interpolation=cv2.INTER_AREA)
```

```
frame2 = cv2.resize(frame2, dim, interpolation=cv2.INTER_AREA)
```

```
# frame= np.hstack((frame, frame2))
```

```
detected, annotated_image = is_person_present(frame)
```

```
detected2, annotated_image2 = is_person_present(frame2)
```

```
# Register the current detection status on our deque object
```

```
de.appendleft(detected)
```

```
de2.appendleft(detected2)
```

```
# If we have consecutively detected a person 15 times then we are sure that
someone is present
```

```
# We also make this is the first time that this person has been detected so we
only initialize the videowriter once
```

```
if sum(de) == detection_thresh and not status:
```

```
    status = True
```

```
    entry_time = datetime.datetime.now().strftime("%A, %I-%M-%S %p %d %B %Y")
```

```
    # out = cv2.VideoWriter('outputs/{}.mp4'.format(entry_time),
    #                        cv2.VideoWriter_fourcc(*'XVID'), 15.0, (width,
    height))
```

```
if sum(de2) == detection_thresh and not status2:
```

```
    status2 = True
```

```
    entry_time2 = datetime.datetime.now().strftime("%A, %I-%M-%S %p %d %B %Y")
```

```
    # out = cv2.VideoWriter('outputs/{}.mp4'.format(entry_time),
    #                        cv2.VideoWriter_fourcc(*'XVID'), 15.0, (width,
    height))
```

```
# If status is True but the person is not in the current frame
```

```
if status and not detected:
```

```
    # Restart the patience timer only if the person has not been detected for a
    few frames so we are sure it was'nt a
```

```
    # False positive
```