

# Interview Task

## 2. People Count With History from Camera:

- Set Up Object Detection: Use either Python (with libraries like OpenCV and YOLO) or C# (with EmguCV or OpenCV Sharp)
- to detect and count the number of people in video feeds from a webcam or IP camera.
- Track and Store Data: Implement functionality to keep a history of detected individuals, including their last visit time. This data should be stored in a database or file for future reference.

### Deliverables:

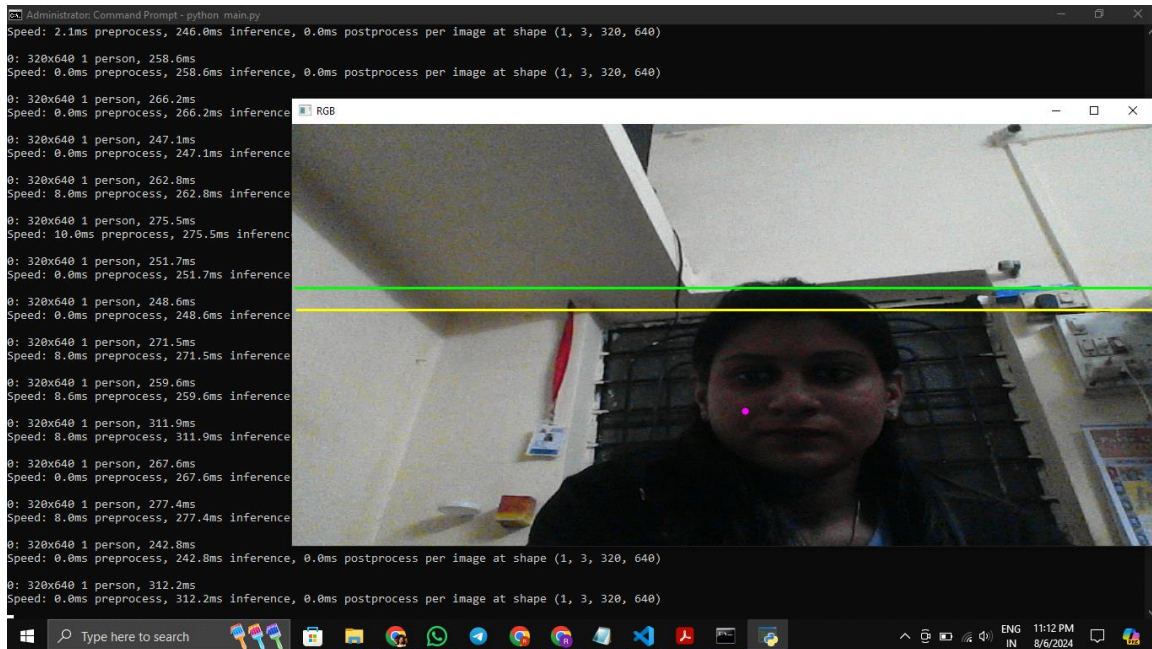
- Source code for Object Count and analysis.
- Integration with Camera sources .

**Github link for sourcecode :**

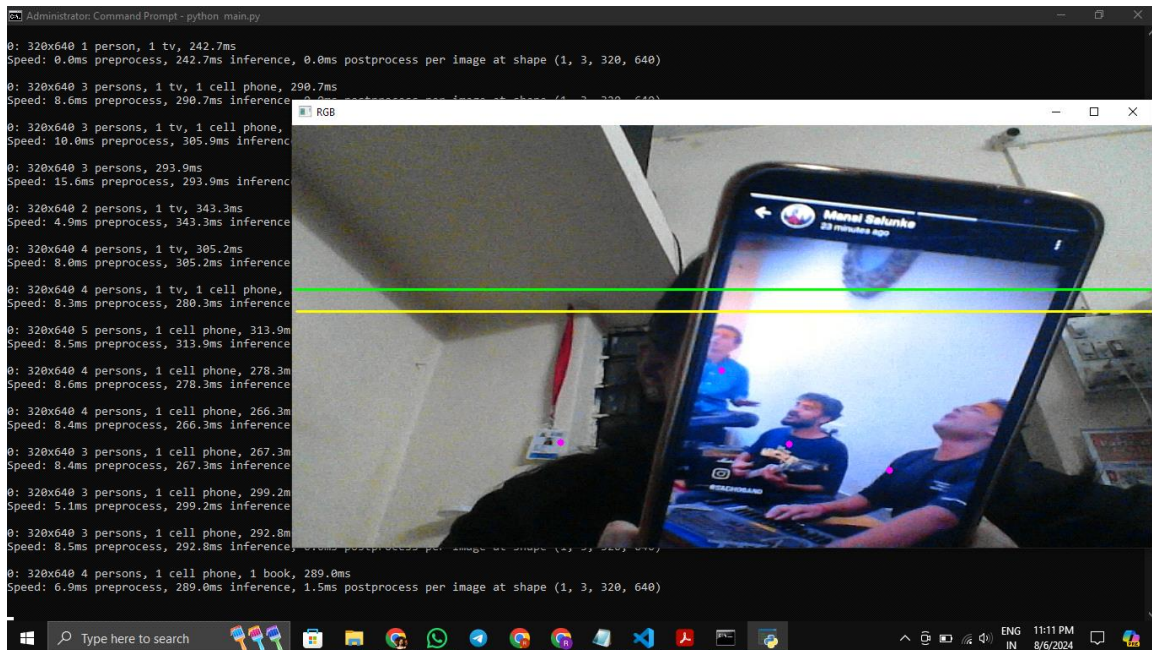
**<https://github.com/ruchpatill/People-Counter>**

**Output screen :**

Counts no. of persons present in webcam . Here 1 person present in image as displayed in output.



Counts no of person as video shown in screen moves 3 person or 4 person, exact count displayed .



to keep a history of detected individuals, including their last visit time, this data is stored in a database for future reference.

```
Administrator: Command Prompt
File "C:\Program Files\Python39\lib\site-packages\torch\nn\modules\pooling.py", line 164, in forward
    return F.max_pool2d(input, self.kernel_size, self.stride,
File "C:\Program Files\Python39\lib\site-packages\torch\_jit_internal.py", line 583, in fn
    return if_false(*args, **kwargs)
File "C:\Program Files\Python39\lib\site-packages\torch\nn\functional.py", line 796, in _max_pool2d
    return torch.max_pool2d(input, kernel_size, stride, padding, dilation, ceil_mode)
KeyboardInterrupt
^C
E:\yolov8peoplecounter-main\yolov8peoplecounter-main>python view_data.py
(1, 0, '2024-08-06 23:57:17')
(2, 1, '2024-08-06 23:57:18')
(3, 2, '2024-08-06 23:57:18')
(4, 3, '2024-08-06 23:57:19')
(5, 4, '2024-08-06 23:57:19')
(6, 5, '2024-08-06 23:57:20')
(7, 6, '2024-08-06 23:57:20')
(8, 6, '2024-08-06 23:57:21')
(9, 6, '2024-08-06 23:57:21')
(10, 6, '2024-08-06 23:57:22')
(11, 6, '2024-08-06 23:57:22')
(12, 6, '2024-08-06 23:57:23')
(13, 6, '2024-08-06 23:57:23')
(14, 6, '2024-08-06 23:57:24')
(15, 6, '2024-08-06 23:57:24')
(16, 6, '2024-08-06 23:57:25')
(17, 0, '2024-08-07 00:13:17')
(18, 0, '2024-08-07 00:13:17')
(19, 0, '2024-08-07 00:13:18')
(20, 1, '2024-08-07 00:13:18')
(21, 2, '2024-08-07 00:13:18')
(22, 3, '2024-08-07 00:13:19')
(23, 4, '2024-08-07 00:13:19')
(24, 5, '2024-08-07 00:13:20')
(25, 6, '2024-08-07 00:13:20')
(26, 6, '2024-08-07 00:13:21')
(27, 7, '2024-08-07 00:13:21')
(28, 7, '2024-08-07 00:13:21')
(29, 8, '2024-08-07 00:13:22')
(30, 7, '2024-08-07 00:13:22')
(31, 8, '2024-08-07 00:13:22')
(32, 8, '2024-08-07 00:13:23')

E:\yolov8peoplecounter-main\yolov8peoplecounter-main>
```