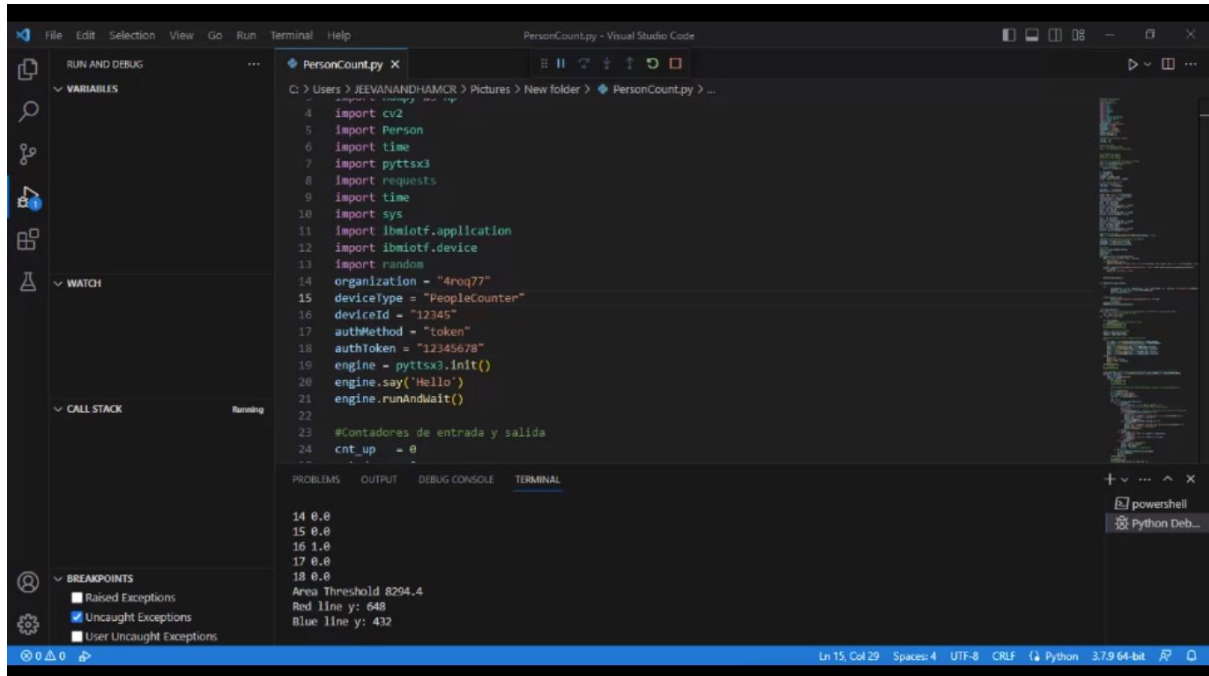


APPLICATION PERFORMANCE METRICS

Date	16 May 2023
Team ID	NM2023TMID15643
Project Name	Intelligent people and vehicle counting system for secretariat

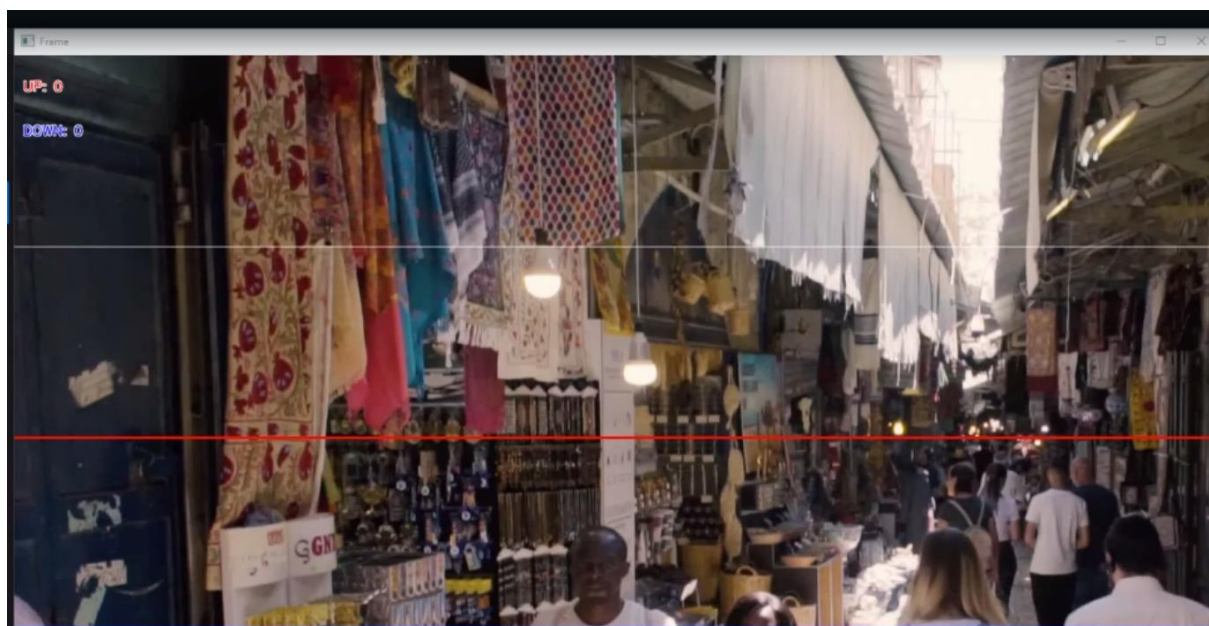


The screenshot displays the Visual Studio Code interface with a Python file named `PersonCount.py` open. The code is a script for counting people and vehicles using a Raspberry Pi camera module. It includes imports for `cv2`, `Person`, `time`, `pyttss3`, `requests`, `time`, `sys`, `ibmiotf.application`, `ibmiotf.device`, and `random`. The script sets up an organization, device type, device ID, authentication method, and token. It then initializes the `pyttss3` engine and starts the counting process. The output in the terminal shows the execution of the script, displaying the number of people and vehicles counted at each step.

```
4 import cv2
5 import Person
6 import time
7 import pyttss3
8 import requests
9 import time
10 import sys
11 import ibmiotf.application
12 import ibmiotf.device
13 import random
14 organization = "4roq77"
15 deviceType = "PeopleCounter"
16 deviceId = "12345"
17 authMethod = "token"
18 authToken = "12345678"
19 engine = pyttss3.init()
20 engine.say('Hello')
21 engine.runAndWait()
22
23 #Contadores de entrada y salida
24 cnt_up = 0
25 cnt_down = 0
```

The terminal output shows the execution of the script, displaying the number of people and vehicles counted at each step:

```
14 0.0
15 0.0
16 1.0
17 0.0
18 0.0
19 0.0
Area Threshold: 8294.4
Red line y: 648
Blue line y: 432
```



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4roq77.internetofthings.ibmcloud.com/dashboard/devices/browse

IBM Watson IoT Platform

Browse Action Device Types Interfaces

Add Device

Identity Device Information Recent Events State Logs

The recent events listed show the live stream of data that is coming and going from this device.

Event	Value	Format	Last Received
PeopleCounter	["UP":4,"down":4]	json	a few seconds ago
PeopleCounter	["UP":4,"down":4]	json	a few seconds ago
PeopleCounter	["UP":4,"down":3]	json	a few seconds ago
event_1	["randomnumber":1]	json	a few seconds ago
PeopleCounter	["UP":2,"down":3]	json	a few seconds ago

Node-RED

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127.0.0.1:1880/#flow/61e01d7e74571c24

Node-RED

Flow 1

inject debug complete catch status link in link call link out comment

function

Download video from this page

IBM IoT PeopleCounter

UP

DOWN

debug 1

People Coming In

People Coming Out

Flow 1

Flow "61e01d7e74571c24"

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127.0.0.1:1880/ui/#/07socketid=Sfdw4nQeWUeJl7YHAAAH

Home

Default

People Coming Out

12 units

People Coming In

4 units