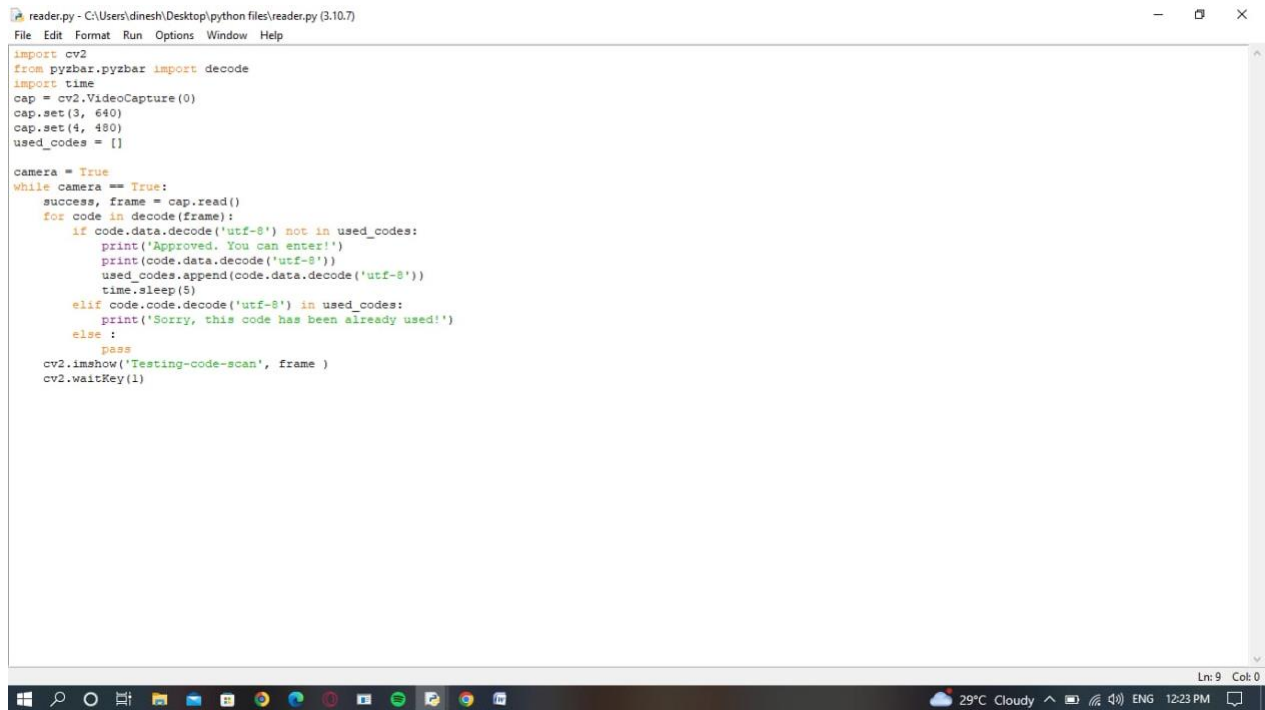


## Software

Date	14 November 2022
Team ID	PNT2022TMID41264
Project Name	Project – SMART SOLUTIONS FOR RAILWAYS
Maximum Marks	4 Marks



```
reader.py - C:\Users\dinesh\Desktop\python files\reader.py (3.10.7)
File Edit Format Run Options Window Help

import cv2
from pyzbar.pyzbar import decode
import time
cap = cv2.VideoCapture(0)
cap.set(3, 640)
cap.set(4, 480)
used_codes = []

camera = True
while camera == True:
    success, frame = cap.read()
    for code in decode(frame):
        if code.data.decode('utf-8') not in used_codes:
            print('Approved. You can enter!')
            print(code.data.decode('utf-8'))
            used_codes.append(code.data.decode('utf-8'))
            time.sleep(5)
        elif code.data.decode('utf-8') in used_codes:
            print('Sorry, this code has been already used!')
        else:
            pass
    cv2.imshow('Testing-code-scan', frame)
    cv2.waitKey(1)
```

Ln: 9 Col: 0

29°C Cloudy ENG 12:23 PM

reader.py - C:\Users\dinesh\Desktop\python files\reader.py (3.10.7)

File Edit Format Run Options Window Help

```
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"IDLE Shell 3.10.7"

File Edit Shell Debug Options Window Help

Python 3.10.7 (tags/v3.10.7:6cc6b13, Sep 5 2022, 14:08:36) [MSC v.1933 64 bit (AMD64)] on win32  
Type "help", "copyright", "credits" or "license()" for more information.

>>>

===== RESTART: C:\Users\dinesh\Desktop\python files\reader.py =====

```
Approved. You can enter!
ID : 2022-11-15,12:13:10
Name : Kavi
Age : 20
Boarding : Bengaluru
Destination : Hyderabad
Seat : 1
```