In [ ]:
```
import cv2
print(cv2.version)
```

```
<module 'cv2.version' from 'C:\\Users\\crazy\\AppData\\Local\\Programs\\Python\\Python37\\lib\\site-packages\\cv2\\version.py'>
```

In [ ]:
```
from vidgear.gears import VideoGear
from pyzbar.pyzbar import decode
import cv2
import time

# define and start the stream on first source ( For e.g #0 index device)
stream1 = VideoGear(source=0, logging=True).start()
detector = cv2.QRCodeDetector()
data = []
qr =""

# infinite loop
while True:

    frameA = stream1.read()
    data = decode(frameA)
    if(data):
        break
    # read frames from stream1

    # check if any of two frame is None
    if frameA is None:
        #if True break the infinite loop
        break

    # do something with both frameA and frameB here
    cv2.imshow("Output Frame1", frameA)
    # Show output window of stream1 and stream 2 seperately

    key = cv2.waitKey(1) & 0xFF
    # check for 'q' key-press
    if key == ord("q"):
        #if 'q' key-pressed break out
        break

    if key == ord("w"):
        #if 'w' key-pressed save both frameA and frameB at same time
        cv2.imwrite("Image-1.jpg", frameA)
        #break   #uncomment this line to break out after taking images
qr = data[0].data.decode('utf-8')
print(qr)
cv2.destroyAllWindows()
# close output window

# safely close both video streams
stream1.stop()
```

```
14:25:03 ::    Helper     ::    INFO    :: Running VidGear Version: 0.2.5
14:25:03 ::    CamGear    :: WARNING   :: Threaded Queue Mode is disabled for the current video source!
14:26:17 ::    CamGear    ::   DEBUG    :: Terminating processes.
VSmv0whGEfPvasW6BTLC0oq07ov1
14:26:17 ::   VideoGear   ::   DEBUG    :: Terminating VideoGear.
```

In [ ]:
```
import pyrebase
```

```
config = {
  "apiKey": "AIzaSyAn7krJGcO46QTNGkfZQYaH8pjl-rdH-BU",
  "authDomain": "parking-lot-53740.firebaseapp.com",
  "databaseURL": "",
  "projectId": "parking-lot-53740",
  "storageBucket": "parking-lot-53740.appspot.com",
}

firebase = pyrebase.initialize_app(config)
```

In [ ]:
```
import firebase_admin
from firebase_admin import credentials ,firestore

cred = credentials.Certificate("./parking-lot-53740-firebase-adminsdk-lsefb-048bf58
firebase_admin.initialize_app(cred)
```

Out[ ]:
```
<firebase_admin.App at 0x28ddfe929b0>
```

In [ ]:
```
firestore_db = firestore.client()
snapshot = firestore_db.collection('users').document(qr).get()
print(snapshot.to_dict())
```

```
{'Name': 'Siddharth', 'slot': 'A1', 'RegNo': 'TN12Q4425'}
```