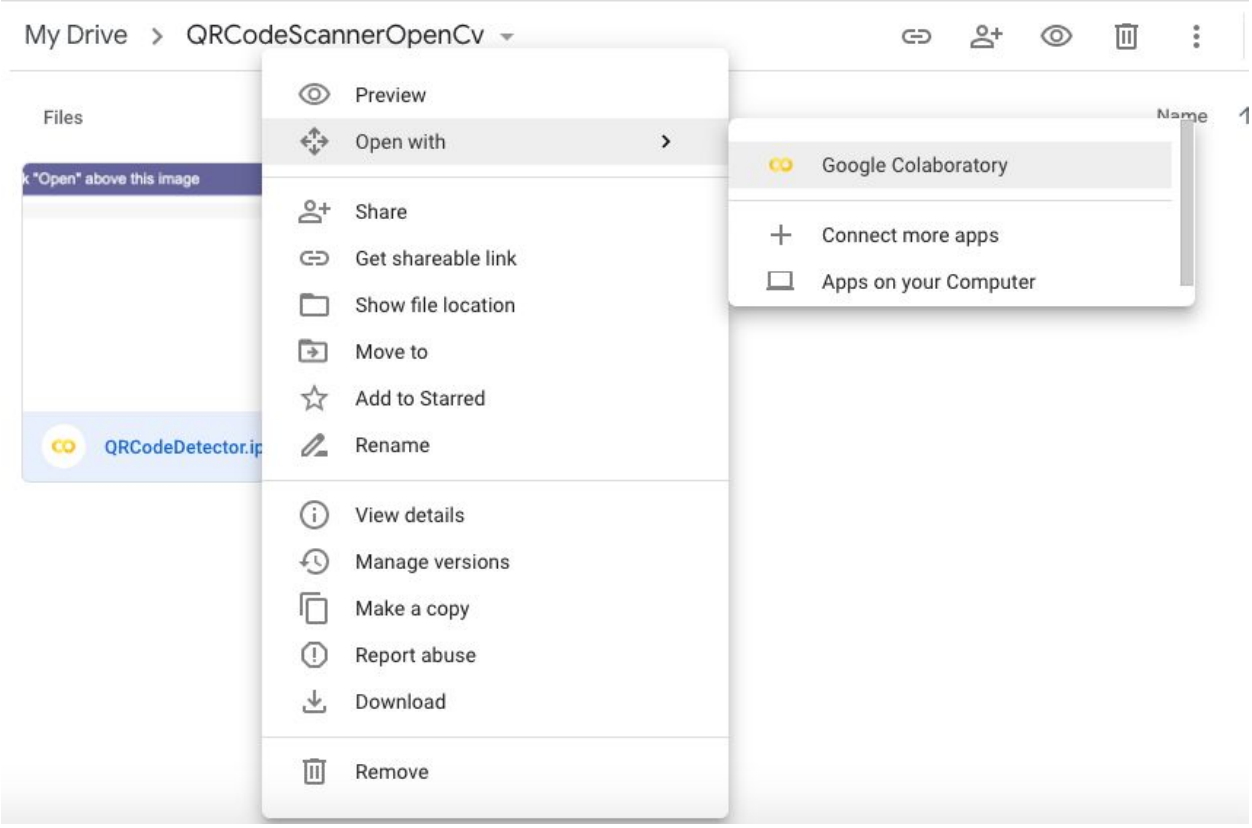
Instruction to run the code:

1)Upload “QRCodeDetector.ipynb‘ in your google drive and open it with Google colaboratory notebook.

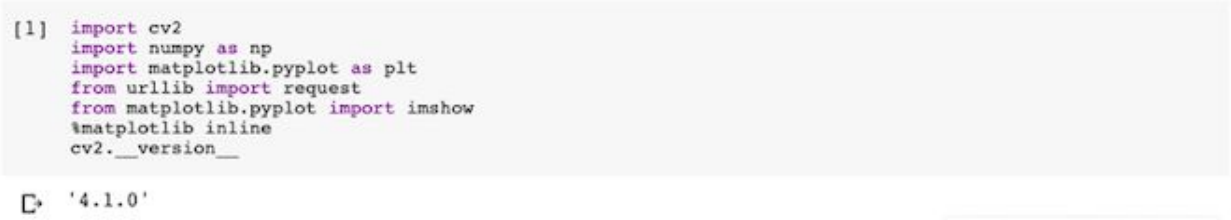


2)Run the first cell: This will install the necessary packages.

3)Restart runtime to reflect the new packages:

4)Click on Yes:

5)Run the second cell this will import all the tools:



```
[1]  import cv2
     import numpy as np
     import matplotlib.pyplot as plt
     from urllib import request
     from matplotlib.pyplot import imshow
     %matplotlib inline
     cv2.__version__
```

```
'4.1.0'
```

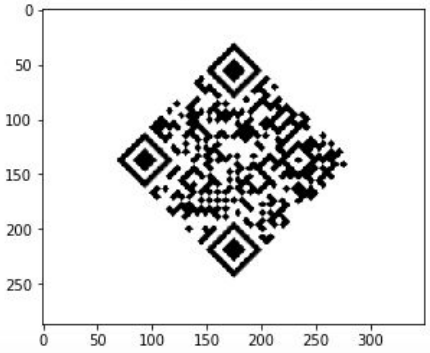
Note: please see that after Restarting runtime the openCV version will be shown as 4.1.0

6)Upload the sample QRcode image in the left side panel:

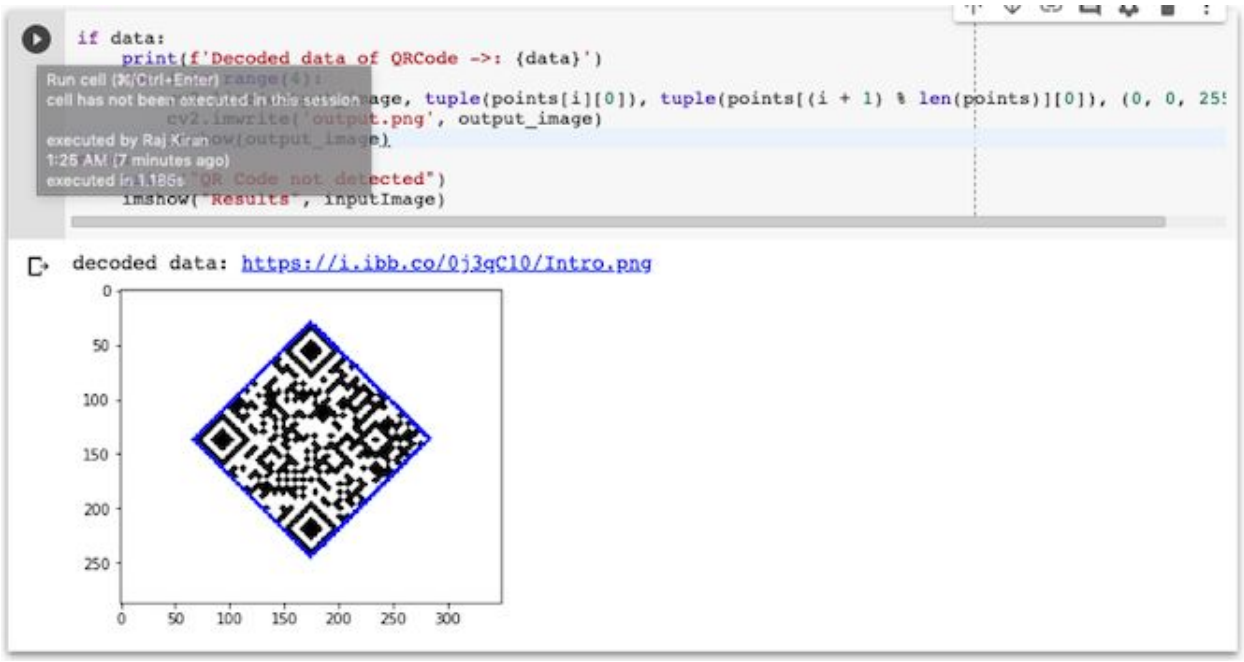
7)Run the next cell to read the image:

```
input_image = cv2.imread("QR1.png")
output_image = input_image.copy()
detector = cv2.QRCodeDetector()
data, points, straight_qrcode = detector.detectAndDecode(output_image)
imshow(output_image)
```

```
<matplotlib.image.AxesImage at 0x7f9daa292c88>
```



8)Run the decoder function to decode the QRcode, this generates the link(decoded data)



Note: Here you can see that decoder function showing bounding box around the QRcode .

9)Run the last cell which will download the data from link: