```
In [1]: !pip install opencv-python
```

```
Defaulting to user installation because normal site-packages is not writeable
Requirement already satisfied: opencv-python in c:\users\student\appdata\roamin
g\python\python39\site-packages (4.7.0.72)
Requirement already satisfied: numpy>=1.19.3 in c:\programdata\anaconda3\lib\si
te-packages (from opencv-python) (1.21.5)
```

```python
In [2]: import cv2
```

```python
In [3]: import numpy as np
```

```python
In [4]: img = np.zeros((400, 400, 3), dtype = "uint8")
        cv2.imshow('dark', img)
        cv2.waitKey(0)
        cv2.destroyAllWindows()
```

```python
In [5]: import numpy as np
        import cv2

        img = np.zeros((400, 400, 3), dtype = "uint8")
        cv2.line(img, (20, 160), (100, 160), (0, 0, 255), 10)
        cv2.imshow('dark', img)
        cv2.waitKey(0)
        cv2.destroyAllWindows()
```

```python
In [6]: import numpy as np
        import cv2
        img = np.zeros((400, 400, 3), dtype = "uint8")
        cv2.rectangle(img, (30, 30), (300, 200), (0, 255, 0), 5)
        cv2.imshow('dark', img)
        cv2.waitKey(0)
        cv2.destroyAllWindows()
```

```python
In [7]: import numpy as np
        import cv2
        img = np.zeros((400, 400, 3), dtype = "uint8")
        font = cv2.FONT_HERSHEY_SIMPLEX
        cv2.putText(img, 'Hello', (50, 50),
                    font, 0.8, (0, 255, 0), 2, cv2.LINE_AA)

        cv2.imshow('dark', img)
        cv2.waitKey(0)
        cv2.destroyAllWindows()
```

```
In [ ]:
```