

ASSIGNMENT 6

PYTHON CODE

```
import cv
```

```
import numpy as np
```

```
Face_classifier = cv.CascadeClassifier('/ haar cascade_frontalface_default.xml')
```

```
Black= cv.cvtColor(resized, cv.COLOR_BGR2BLACK )
```

```
Faces= Face_classifier.detectMultiScale (black, 1.0485258, 6)
```

```
If face is ():
```

```
Print("no face found")
```

```
For (x,y,w,h) in faces:
```

```
cv.rectangle(resized, (x,y), (x+w, y+h), (127, 0, 255), 2)
```

```
cv.imshow (' face detection ', resized)
```

```
cv.waitKey(0)
```

```
cv.destroyAllWindows()
```

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Output

It will detect the faces which are visible.

