

IBM ASSIGNMENT

Project Title: Signs with Smart Connectivity for Better Road Safety

IBM GitHub Repo: [IBM-EPBL/IBM-Project-29724-1660128910](#)

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Question:

Write a python code for blinking LED and Traffic lights for Raspberry pi.

Python Code:

Import random

Import time

While (1):

```
a=random.randint (1,3)
```

```
if (a>0) :
```

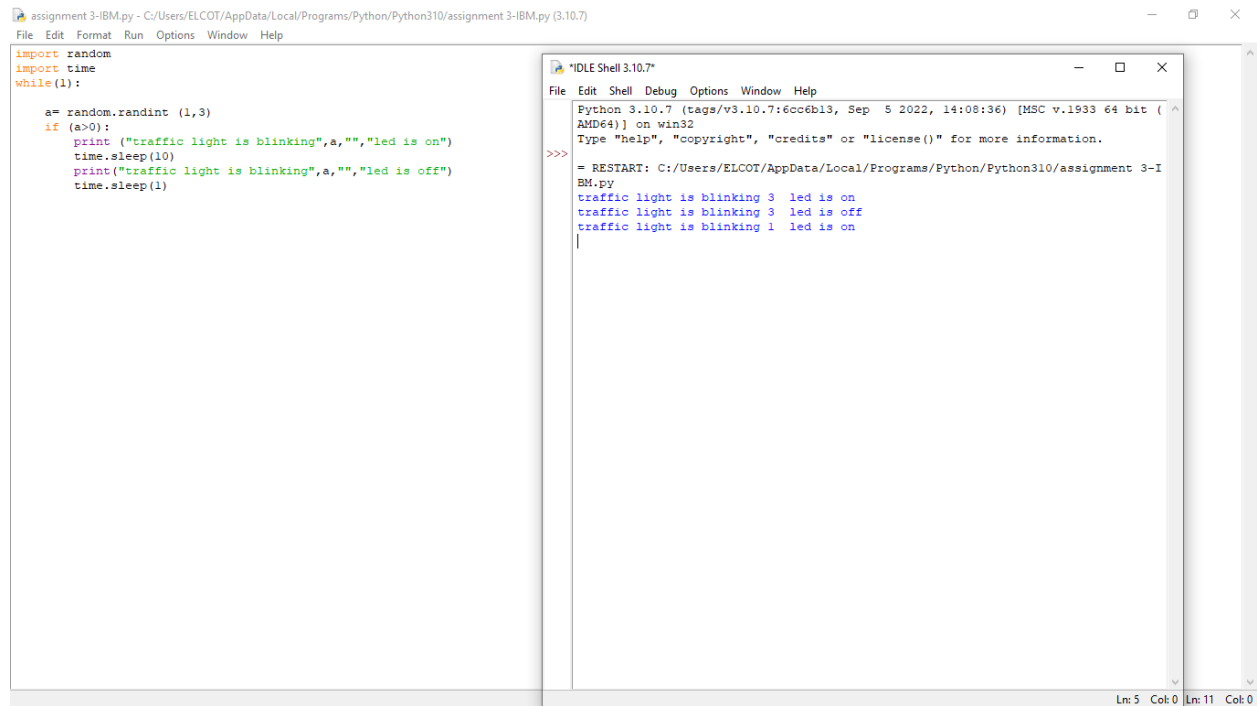
```
    print ("traffic light is blinking",a,"","led is on")
```

```
    time.sleep(10)
```

```
    print ("traffic light is blinking",a,"","led is off")
```

```
    time.sleep(1)
```

OUTPUT:



The image shows a screenshot of a Python IDE with two windows. The left window, titled 'assignment 3-IBM.py', contains the following Python code:

```
import random
import time
while(1):

    a= random.randint(1,3)
    if (a>0):
        print ("traffic light is blinking",a,"","led is on")
        time.sleep(10)
        print("traffic light is blinking",a,"","led is off")
        time.sleep(1)
```

The right window, titled 'IDLE Shell 3.10.7*', shows the output of the script after execution. The output consists of three lines of text, each followed by a blank line:

```
>>>
= RESTART: C:/Users/ELCOT/AppData/Local/Programs/Python/Python310/assignment 3-IBM.py
traffic light is blinking 3 led is on
traffic light is blinking 3 led is off
traffic light is blinking 1 led is on
|
```

The status bar at the bottom of the IDE shows 'Ln: 5 Col: 0' for the left window and 'Ln: 11 Col: 0' for the right window.