

**Professional Readiness for Innovation,
Employability and Entrepreneurship**

ASSIGNMENT-3

***PYTHON CODE FOR BLINKING LED AND
TRAFFIC LIGHTS FOR RASBERRY PI***

SUBMITTED BY,

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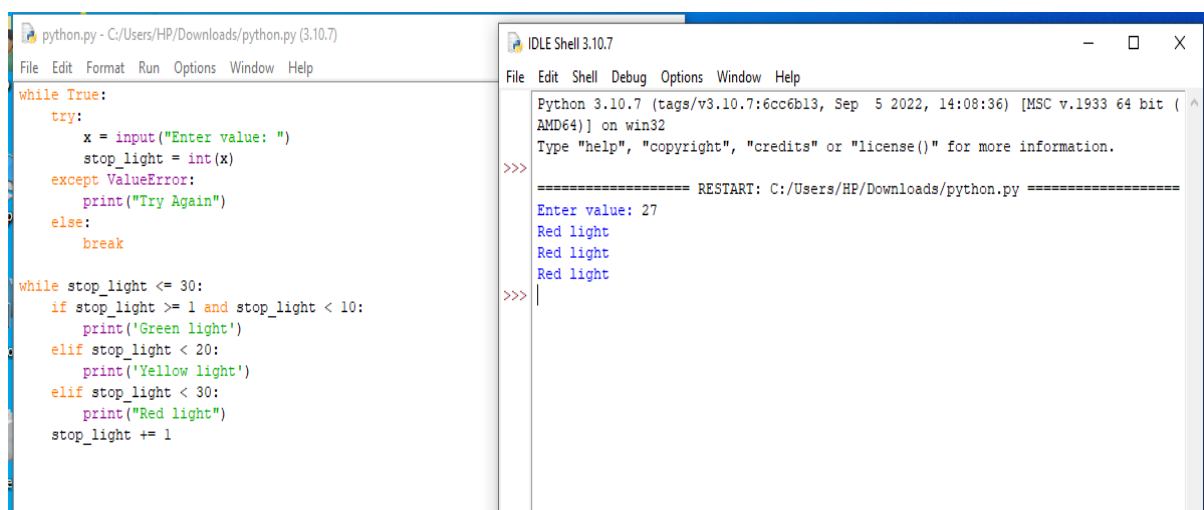
CODING :

```
while True:
    try:
        x = input("Enter value: ")
        stop_light = int(x)
    except ValueError:
        print("Try Again")
    else:
        break

while stop_light <= 30:
    if stop_light >= 1 and stop_light < 10:
        print('Green light')
    elif stop_light < 20:
        print('Yellow light')
    elif stop_light < 30:
        print("Red light")
    stop_light += 1
```

OUTPUT :

```
Enter value: 27
Red light
Red light
Red light
```



The screenshot displays a Python IDE with two windows. The left window, titled 'python.py - C:/Users/HP/Downloads/python.py (3.10.7)', contains the following code:

```
while True:
    try:
        x = input("Enter value: ")
        stop_light = int(x)
    except ValueError:
        print("Try Again")
    else:
        break

while stop_light <= 30:
    if stop_light >= 1 and stop_light < 10:
        print('Green light')
    elif stop_light < 20:
        print('Yellow light')
    elif stop_light < 30:
        print("Red light")
    stop_light += 1
```

The right window, titled 'IDLE Shell 3.10.7', shows the execution output:

```
Python 3.10.7 (tags/v3.10.7:6cc6b13, Sep 5 2022, 14:08:36) [MSC v.1933 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:/Users/HP/Downloads/python.py =====
Enter value: 27
Red light
Red light
Red light
>>>
```