

**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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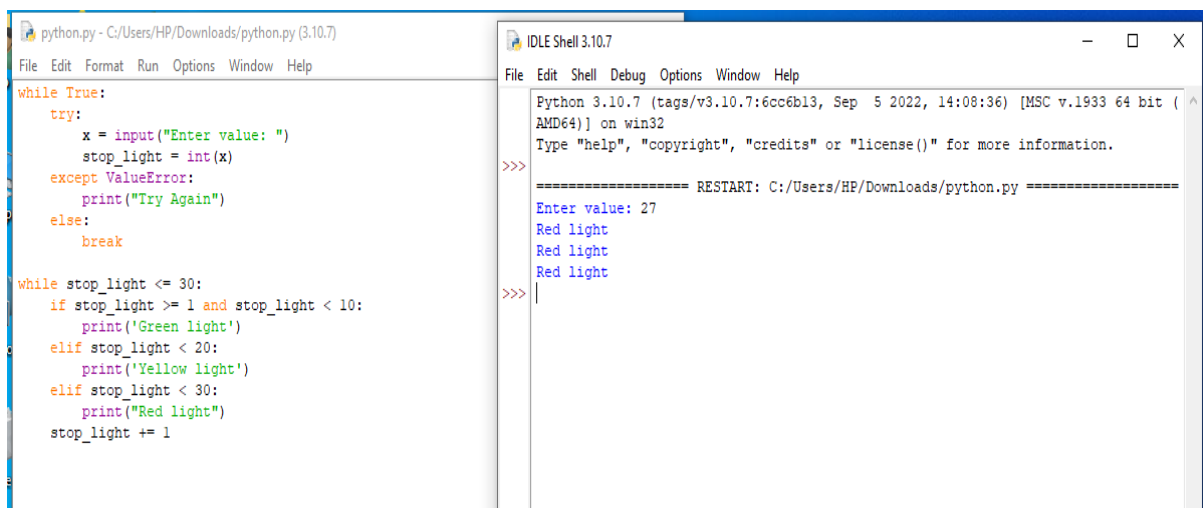
## CODING :

```
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 Python code for a traffic light simulation. The code uses a loop to repeatedly prompt the user for a value and prints the corresponding light color based on the input range. The right window, titled 'IDLE Shell 3.10.7', shows the execution of the code. It displays the prompt 'Enter value: 27' followed by three lines of 'Red light' output, indicating that the input value 27 falls into the red light range (20 to 30).

```
python.py - C:/Users/HP/Downloads/python.py (3.10.7)
File Edit Format Run Options Window Help

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IDLE Shell 3.10.7
File Edit Shell Debug Options Window Help

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
>>>
```

