

Professional Readiness for Innovation, Employability and Entrepreneurship

Real-Time River Water Quality Monitoring and Control System

ASSIGNMENT-3

Python code for blinking LED and Traffic lights for Raspberry pi.

Coding:

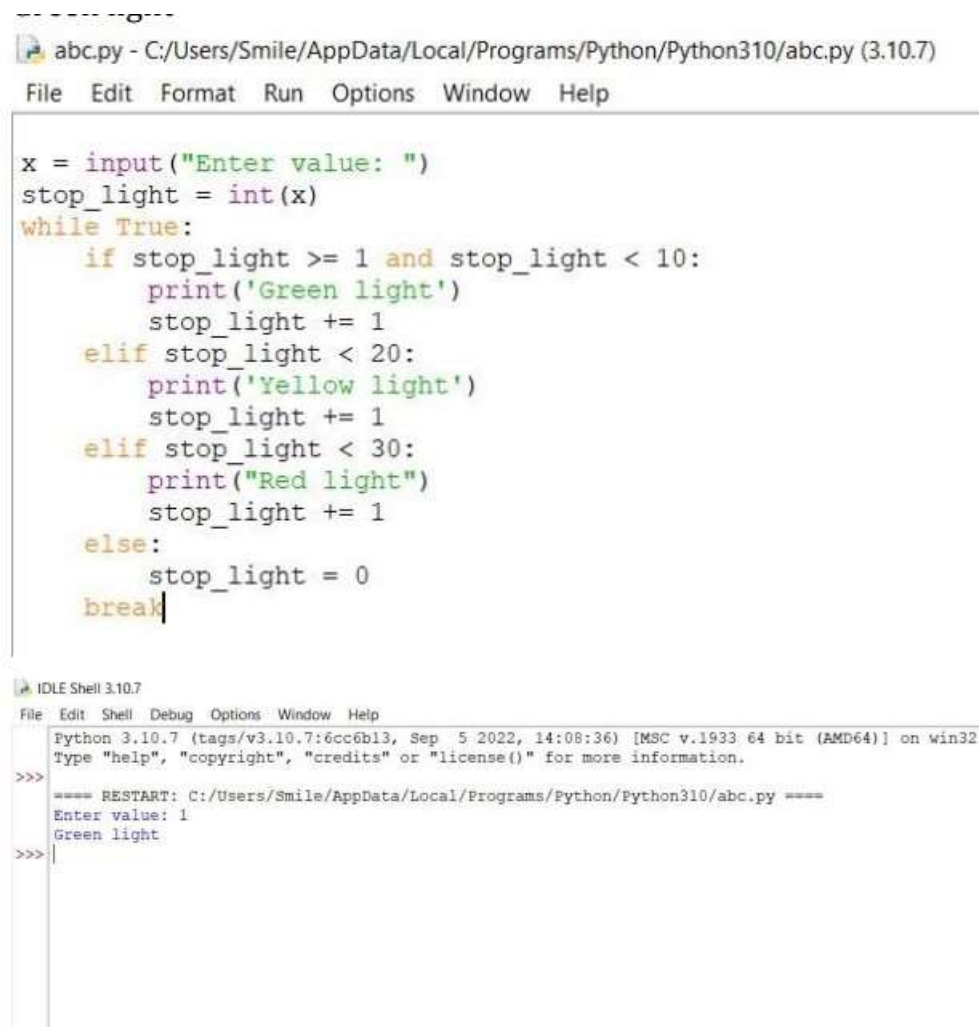
```
x = input("Enter value: ")
stop_light = int(x)
while True:
    if stop_light >= 1 and stop_light < 10:
        print('Green light')
    stop_light += 1
    elif
    stop_light < 20:
        print('Yellow light')
    stop_light += 1
    elif
    stop_light < 30:
        print("Red light")
    stop_light += 1
    else:
        stop_light = 0
```

break

OUTPUT

Enter value: 1

Green light



The screenshot displays the Python IDLE 3.10.7 environment. The top window, titled 'abc.py', contains the following Python code:

```
x = input("Enter value: ")
stop_light = int(x)
while True:
    if stop_light >= 1 and stop_light < 10:
        print('Green light')
        stop_light += 1
    elif stop_light < 20:
        print('Yellow light')
        stop_light += 1
    elif stop_light < 30:
        print("Red light")
        stop_light += 1
    else:
        stop_light = 0
    break
```

The bottom 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/Smile/AppData/Local/Programs/Python/Python310/abc.py ====
Enter value: 1
Green light
>>>
```

SUBMITTED BY,
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