Assignment -3

Python Programming

Assignment Date	07 OCTOBER 2022
Student Name	SATHIYAPRIYA N
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Maximum Marks	2 Marks

Question-1:

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

Solution:

```python
x = input("Enter value: ")
stop_light = int(x)
while True:
    if stop_light >= 1 and stop_light < 10:

        print('Green light and vehicle can move now!!!!')

        stop_light += 1
    elif stop_light < 20:

        print('Yellow light and vehicle should wait!!!!')

        stop_light += 1
```
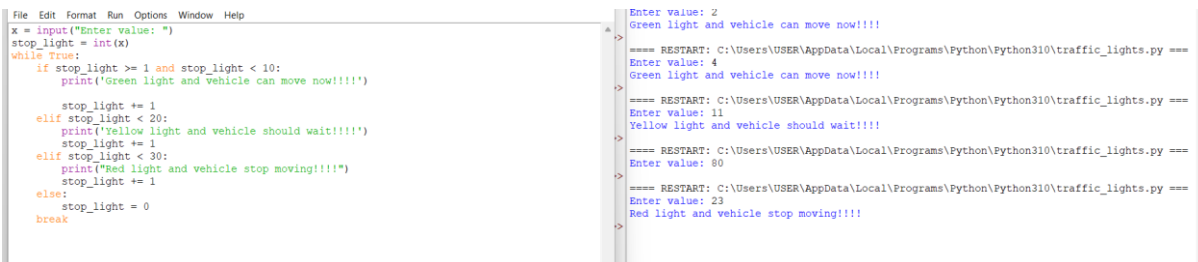
elif stop_light < 30:

            print("Red light and vehicle stop moving!!!!")

            stop_light += 1
        else:

            stop_light = 0
            break

```python
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stop_light = int(x)
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        print('Green light and vehicle can move now!!!!')

        stop_light += 1
    elif stop_light < 20:
        print('Yellow light and vehicle should wait!!!!')
        stop_light += 1
    elif stop_light < 30:
        print("Red light and vehicle stop moving!!!!")
        stop_light += 1
    else:
        stop_light = 0
    break
```

```
Enter value: 2
Green light and vehicle can move now!!!!

==== RESTART: C:\Users\USER\AppData\Local\Programs\Python\Python310\traffic_lights.py ====
Enter value: 4
Green light and vehicle can move now!!!!

==== RESTART: C:\Users\USER\AppData\Local\Programs\Python\Python310\traffic_lights.py ====
Enter value: 11
Yellow light and vehicle should wait!!!!

==== RESTART: C:\Users\USER\AppData\Local\Programs\Python\Python310\traffic_lights.py ====
Enter value: 80

==== RESTART: C:\Users\USER\AppData\Local\Programs\Python\Python310\traffic_lights.py ====
Enter value: 23
Red light and vehicle stop moving!!!!
```