

**Assignment -3**  
Python Programming

Assignment Date	06 October 2022
Student Name	KALAIARASAN C
Student Roll Number	19BEC4086
Maximum Marks	2 Marks

**Question-1:**

Write python code for blinking LED and Traffic lights for Raspberry pi. Only python code is enough, no need to execute in raspberry pi.

Note: you are allowed to use web search and complete the assignment.

Solution :

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


Python

Run

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```
1 while True:
2     try:
3         x = input("Enter value: ")
4         stop_light = int(x)
5     except ValueError:
6         print("Try Again")
7     else:
8         break
9
10 while stop_light <= 30:
11     if stop_light >= 1 and stop_light < 10:
12         print('Green light')
13     elif stop_light < 20:
14         print('Yellow light')
15     elif stop_light < 30:
16         print("Red light")
17     stop_light += 1
```

```
Enter value: 20
Red light
Red light
Red light
Red light
Red light
Red light
Red light
Red light
Red light
Red light
Red light
>
```

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