

Assignment -3

Python programming

Assignment Date	30 September 2022
Student Name	P.Sri Meenakshi
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Maximum Marks	2 Marks

Question-1:

Write Python Code for blinking LED and traffic light for Raspberry pi(Only python code)

SOLUTION:

```
a=input("Enter value:")
stop_light=int(a)
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:

The screenshot displays the Programiz Python Online Compiler interface. The browser's address bar shows the URL `programiz.com/python-programming/online-compiler/`. The page header includes the Programiz logo, a Dell Technologies advertisement, and an "Interactive Python Course" button. The main workspace is divided into two panels: a code editor on the left and a shell on the right. The code editor contains a Python script named `main.py` with the following code:

```
1 a=input("Enter value:")
2 stop_light=int(a)
3 while True:
4     if stop_light>=1 and stop_light<=10:
5         print('Green light')
6         stop_light+=1
7     elif stop_light<=20:
8         print('Yellow light')
9         stop_light+=1
10    elif stop_light<=30:
11        print('Red light')
12        stop_light+=1
13    else:
14        stop_light=0
15    break
```

The shell panel on the right shows the output of the program after running the code with the input value 25:

```
Enter value:25
Red light
>
```

The Windows taskbar at the bottom of the screen shows the search bar and various application icons, with the system clock indicating 9:01 PM on 10/8/2022.