

ASSIGNMENT 3

GIRINATH S

Python Programming

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Question-1:

Write a python code for blinking LED and Traffic lights for Raspberry Pi.

Solution:

```
from gpiozero
import ButtonTrafficLights,
Buzzer from time import
sleep buzzer=Buzzer(15)
button=Button(21)
lights=TrafficLights(
25,8,7)

while True:

button.wait_for_press() buzzer.on() light.red.on() sleep(1) lights.amber. on()
sleep(1) lights.green.o n() sleep(1) lights.off() buzzer.off()
```

OUTPUT



GPIO PINS USED:

GP 21 – BUTTON

GP 15 – BUZZER

GP 25 – RED LED

GP 8 – YELLOW LED

GP 7 – GREEN LED