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| Assignment Date | October 5, 2022 |
| Student Name | J.P HEMAVARSHINI |
| Student Roll Number | 73771913128 |
| Maximum marks | 2 Marks |

Question-1:

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

**Solution:**

Program for LED interface with Raspberry pi:

From gpiozero import Button, LED

led = LED(25)

button = Button(21) while True:

button.wait\_for\_press() led.on() print("Pressed")

button.wait\_for\_release() led.off() print("Released")

Program for Traffic lights interface with Raspberry pi: From gpiozero import LED from time import sleep

red = LED(22)

amber = LED(27) green = LED(17) while True:

red.on() sleep(1) amber.on() sleep(1) green.on() sleep(1) red.off() sleep(1) amber.off() sleep(1) green.off()