IBM ASSIGNMENT - 3

IOT BASED SAFETY GADGET FOR CHILD SAFETY MONITORING & NOTIFICATION

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()
```