STELLARUBY. K

960219104106

ASSIGNMENT 3:

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

```
From gpiozero import Button

button = Button(21)

while True:

    print(button.is_pressed)

while True:

  if button.is_pressed:

     print("Hello")

  else:

     print("Goodbye")

while True:

   button.wait_for_press()

   print (" Pressed)

   button.wait_for_release()

   print("Released")

from gpiozero import Button, LED

led = LED(25)

while True:

   button.wait_for_press()

   led.on()

   button.wait_for_release()

   led.off()

while True:

  led.blink()

  button.wait_for_press()

  led.off()

  button.wait_for_release()

from gpiozero import Button, TrafficLights
```

```python
lights = TrafficLights(25, 8, 7)
while True:
    button.wait_for_press()
    lights.on()
    button.wait_for_release()
    lights.off()
while True:
    lights.blink()
    button.wait_for_press()
    lights.off()
    button.wait_for_release()
from gpiozero import Button, TrafficLights, Buzzer
buzzer = Buzzer(15)
while True:
    lights.on()
    buzzer.off()
    button.wait_for_press()
    lights.off()
    buzzer.on()
    button.wait_for_release()
while True:
    lights.blink()
    buzzer.beep()
    button.wait_for_press()
    lights.off()
    buzzer.off()
    button.wait_for_release()
from time import sleep
while True:
    lights.green.on()
    sleep(1)
```

```python
        lights.amber.on()
        sleep(1)
        lights.red.on()
        sleep(1)
        lights.off()
while True:
        button.wait_for_press()
        lights.green.on()
        sleep(1)
        lights.amber.on()
        sleep(1)
        lights.red.on()
        sleep(1)
        lights.off()
```