ASSIGNMENT 3

ASSIGNMENT DATE	3 OCTOBER 2022
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MAXIMUM MARKS	2 marks

QUESTION: WRITE A PYTHON CODE FOR BLINKING LED AND TRAFFIC LIGHT FOR RASPBERRY PI.

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CODE:
import time
import RPi.GPIO as GPIO
GPIO.setmode(GPIO.BOARD)
GPIO.setup(11, GPIO.OUT)
while True:
  GPIO.output(11,True)
  time.sleep(1)
  GPIO.output(11,False)
  time.sleep(1)
from gpiozero import Button, TrafficLights, Buzzer
buzzer = Buzzer(15)
button = Button(21)
lights = TrafficLights(25, 8, 7)
while True:
  button.wait_for_press()
  light.green.on()
  sleep(1)
  lights.amber.on()
  sleep(1)
  lights.red.on()
  sleep(1)
  lights.off()
while True:
  lights.on()
  buzzer.off()
  button.wait_for_press()
  lights.off()
  buzzer.on()
  button.wait_for_release()
while True:
  lights.blink()
  buzzr.beep()
  button.wait_for_press()
  lights.off()
  buzzer.off()
  button.wait_for_release()
```