Assignment -3

Python Programming

Assignment Date	01 October 2022
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Maximum Marks	2 Marks

Question-1:

Write a python code for blinking LED and Traffic Lights for Raspberry pi.

Note: *Only Python Code is enough, No need to execute in raspberry pi.

Solution:

```
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()
   buzzer.beep()
   button.wait_for_press()
   lights.off() buzzer.off()
   button.wait_for_release()
```