**Assignment - 3**

Raspberry pi

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| Assignment Date | 07 October 2022 |
| Student Name | Mr. Premnath |
| Student Roll Number | 910819104008 |
| Maximum Marks | 2 Marks |

**Question-1:**

Write python code for blinking LED and Traffic lights for Raspberry pi. Only python code is enough, no need to execute in raspberry pi. Note: you are allowed to use web search and complete the assignment.

**Solution:**

**Code:**

import RPi.GPIO as GPIO # Import Raspberry Pi GPIO library  
from time import sleep # Import the sleep function from the time module  
  
GPIO.setwarnings(False) # Ignore warning for now  
GPIO.setmode(GPIO.BOARD) # Use physical pin numbering  
GPIO.setup(8, GPIO.OUT, initial=GPIO.LOW) # Set pin 8 to be an output pin and set initial value to low (off)  
GPIO.setup(22, GPIO.OUT, initial=GPIO.LOW) # Set pin 22 to be an output pin and set initial value to low (off)  
GPIO.setup(27, GPIO.OUT, initial=GPIO.LOW) # Set pin 27 to be an output pin and set initial value to low (off)  
  
while True: # Run forever  
 GPIO.output(8, GPIO.HIGH) # Turn on  
 sleep(1) # Sleep for 1 second  
 GPIO.output(8, GPIO.LOW) # Turn off  
 GPIO.output(22, GPIO.HIGH) # Turn on  
 sleep(1) # Sleep for 1 second  
GPIO.output(22, GPIO.LOW) # Turn