

IOT SMART FARMING APPLICATION SYSTEM

ASSIGNMENT-3

Write a 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.

CODE :

```
import time

import RPi.GPIO as GPIO

GPIO.setmode(GPIO.BOARD)

GPIO.setup(11, GPIO.OUT)

GPIO.setup(12, GPIO.OUT)

GPIO.setup(13, GPIO.OUT)

while True:

    GPIO.output(11,True) ## Turn on redLed
    time.sleep(1)      ## Wait for one second
    GPIO.output(11,False) ## Turn off redLed
    time.sleep(1)      ## Wait for one second
    GPIO.output(12,True) ## Turn on yellowLed
    time.sleep(1)      ## Wait for one second
```

```
GPIO.output(12,False) ## Turn off yellowLed
time.sleep(1)      ## Wait for one second
GPIO.output(13,True) ## Turn on greenLed
time.sleep(1)      ## Wait for one second
GPIO.output(13,False) ## Turn off greenLed
time.sleep(1)      ## Wait for one second
```