**IBM ASSIGNMENT - 3**

|  |  |
| --- | --- |
| Team ID | PNT2022TMID34589 |
| Project Name | Smart Farmer-IOT Enabled Smart Farming  Application |

**LED BLINKING CODE:**

import RPi.GPIO as GP from time import sleep

GP.setwarnings(False)

GP.setmode(GP.BOARD)

GP.setup(8,GP.OUT,initial=GP.LOW)

while True: #infinite loop GP.output(8, GPIO.HIGH) # Turn on print("The LED is ON")

sleep(2) # Sleep for 2 second

GP.output(8, GPIO.LOW) # Turn off

print("The LED is OFF")

sleep(2) # Sleep for 2 second

**TRAFFIC LIGHT RASBERRY PI PYTHON CODE:**

from gpiozero import LED from time import sleep

red= LED(17) #pin numbers connected to Led's

aster=(22) green=(27) while True:

red.on() #RED light

print("Red light is ON")

for i in range(100,0,-1):

print("Remaining time: ",i)

sleep(1) red.off()

aster.on() # ASTER light

print("Yellow light is ON") for i in range(5,0,-1): print("Remaining time: ",i)

sleep(1)

aster.off()

green.on #GREEN light

print("Green light is ON")

for i in range(30,0,-1):

print("Remaining time: ",i)

sleep(1)

green.off()