IBM ASSIGNMENT – 3

Team No:7

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**Board: Rasberry pi**

1. **Python code for blinking LED**
2. **Python code for Traffic lights**

1. **LED Blinking**

**import** RPi.GPIO **as** GPIO

**from** *time* **import** sleep

GPIO.setwarnings(**False**

GPIO.setmode(GPIO.BOARD)

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

**while** **True**:

GPIO.output(8, GPIO.HIGH)

sleep(1)

GPIO.output(8, GPIO.LOW)

sleep(1)

1. **Traffic lights control**

import RPi.GPIO as GPIO

import time

GPIO.setmode(GPIO.BCM)

GPIO.setup(9, GPIO.OUT)

GPIO.setup(10, GPIO.OUT)

GPIO.setup(11, GPIO.OUT)

while True:

GPIO.output(9, True)

time.sleep(3)

GPIO.output(10, True)

time.sleep(1)

GPIO.output(9, False)

GPIO.output(10, False)

GPIO.output(11, True)

time.sleep(5)

GPIO.output(11, False)

GPIO.output(10, True)

time.sleep(2)

GPIO.output(10, False)