

# ASSIGNMENT - 3

**NAME:** D.SANJAY DARSHAN

**REG NO:** 211519106135

**Write python code for blinking LED and Traffic lights for Raspberry pi.**


```
import RPi.GPIO as GPIO
import time
import signal
import sys
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)
```

mycode.py

```
1 # import raspberry pi GPIO module
2 import RPi.GPIO as GPIO
3 import time
4 import signal
5 import sys
6 GPIO.setmode(GPIO.BCM)
7 GPIO.setup(9, GPIO.OUT)
8 GPIO.setup(10, GPIO.OUT)
9 GPIO.setup(11, GPIO.OUT)
10 while True:
11     GPIO.output(9, True)
12     time.sleep(3)
13     GPIO.output(10, True)
14     time.sleep(1)
15     GPIO.output(9, False)
16     GPIO.output(10, False)
17     GPIO.output(11, True)
18     time.sleep(5)
19     GPIO.output(11, False)
20     GPIO.output(10, True)
21     time.sleep(2)
22     GPIO.output(10, False)
23     GPIO.output(10, False)
```

create.w

mycode.py

**RPi GPIO connectors:**

|   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 | 40 |
| 1 | 3 | 5 | 7 | 9  | 11 | 13 | 15 | 17 | 19 | 21 | 23 | 25 | 27 | 29 | 31 | 33 | 35 | 37 | 39 |

