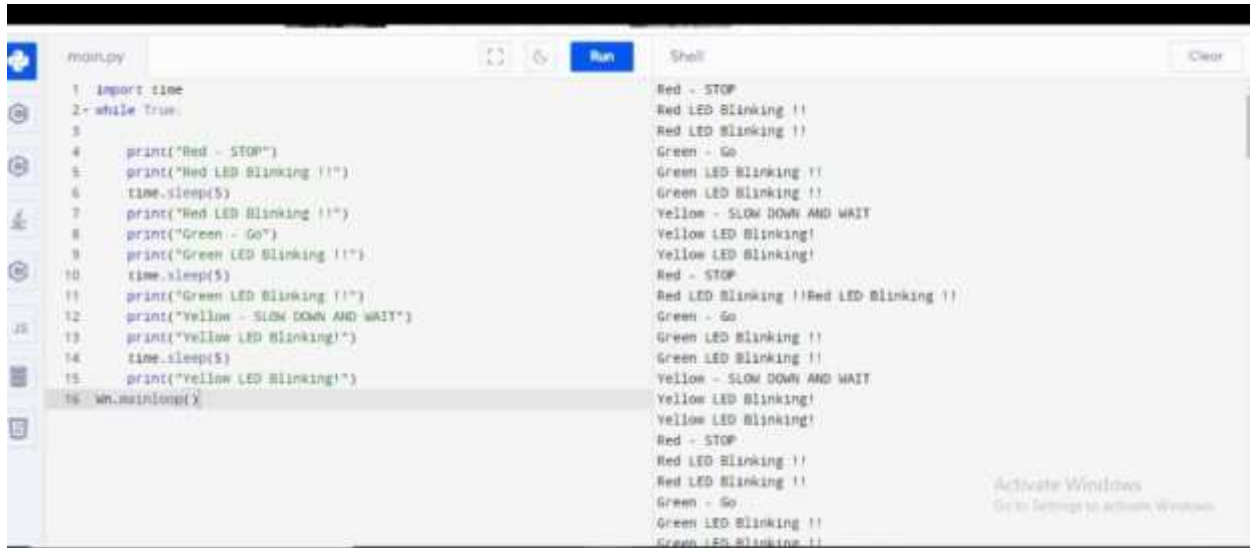


## ASSIGNMENT-3

By KAVIN B

Question: Write a python code for led by linking and traffic with raspberry pi. -  
CODE & OUTPUT is executed by u sing online python complier.



The image shows a screenshot of an online Python compiler interface. On the left, a code editor displays a Python script named 'main.py'. The script uses a while loop to simulate a traffic light sequence: Red (STOP), Green (Go), and Yellow (SLOW DOWN AND WAIT). Each state is printed and followed by a 5-second sleep. The sequence repeats three times. On the right, a 'Shell' window shows the output of the script, which matches the printed statements in the code. An 'Activate Windows' watermark is visible in the bottom right corner of the shell window.

```
main.py
1 import time
2 while True:
3
4     print("Red - STOP")
5     print("Red LED Blinking !!")
6     time.sleep(5)
7     print("Red LED Blinking !!")
8     print("Green - Go")
9     print("Green LED Blinking !!")
10    time.sleep(5)
11    print("Green LED Blinking !!")
12    print("Yellow - SLOW DOWN AND WAIT")
13    print("Yellow LED Blinking!")
14    time.sleep(5)
15    print("Yellow LED Blinking!")
16 while True:
17     print("Yellow LED Blinking!")
```

Shell

```
Red - STOP
Red LED Blinking !!
Red LED Blinking !!
Green - Go
Green LED Blinking !!
Green LED Blinking !!
Yellow - SLOW DOWN AND WAIT
Yellow LED Blinking!
Yellow LED Blinking!
Red - STOP
Red LED Blinking !!Red LED Blinking !!
Green - Go
Green LED Blinking !!
Green LED Blinking !!
Yellow - SLOW DOWN AND WAIT
Yellow LED Blinking!
Yellow LED Blinking!
Red - STOP
Red LED Blinking !!
Red LED Blinking !!
Green - Go
Green LED Blinking !!
Green LED Blinking !!
```

Activate Windows  
Go to Settings to activate Windows.