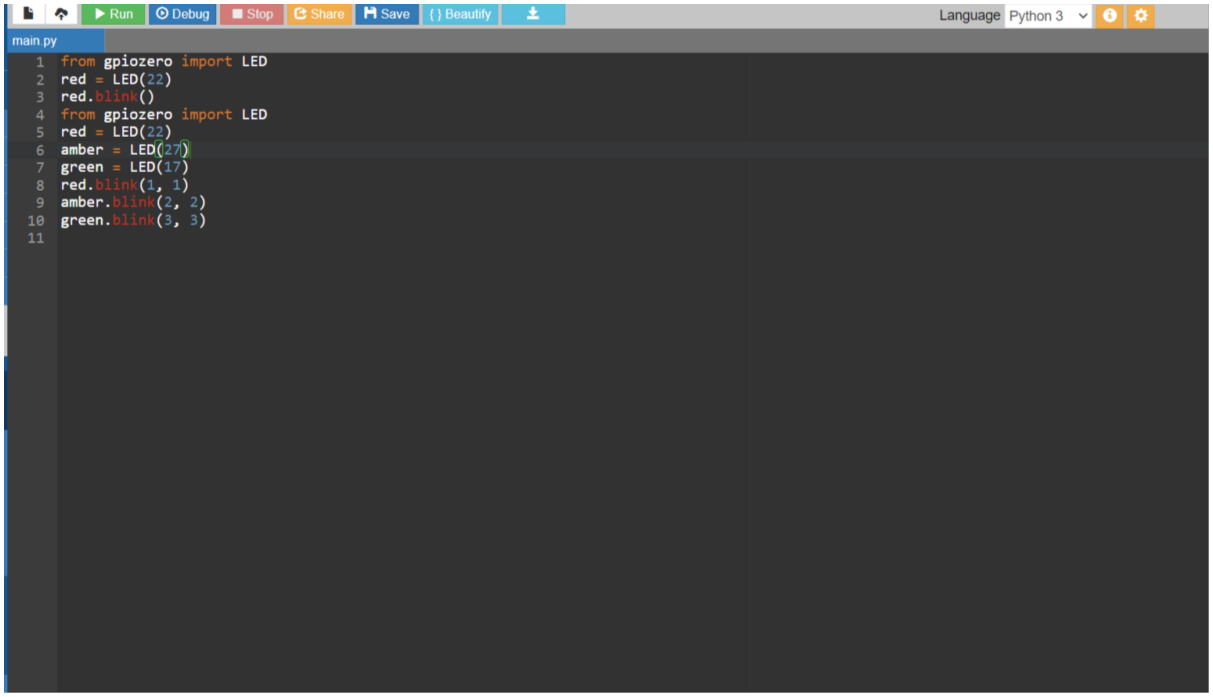
ASSIGNMENT-3

Write Python code for blinking LED and Traffic lights for Raspberry PI.

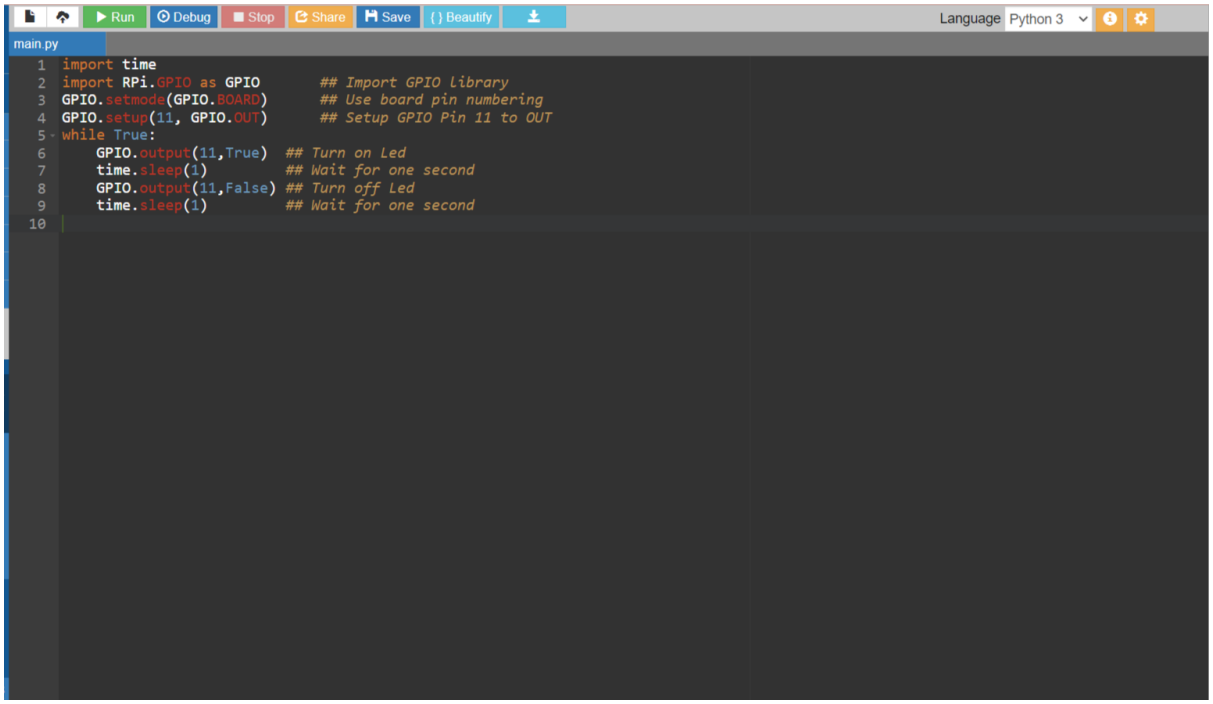
For blinking LED

```
from gpiozero import LED
red = LED(22)
red.blink()
from gpiozero import LED
red = LED(22)
amber = LED(27)
green = LED(17)
red.blink(1, 1)
amber.blink(2, 2)
green.blink(3, 3)
```



For Traffic lights

```
import time
import RPi.GPIO as GPIO       ## Import GPIO library
GPIO.setmode(GPIO.BOARD)      ## Use board pin numbering
GPIO.setup(11, GPIO.OUT)      ## Setup GPIO Pin 11 to OUT
while True:
        GPIO.output(11,True)  ## Turn on Led
        time.sleep(1)         ## Wait for one second
        GPIO.output(11,False) ## Turn off Led
        time.sleep(1)         ## Wait for one second
```


Run
Debug
Stop
Share
Save
{ } Beautify
Language
Python 3
main.py
import time
import RPi.GPIO as GPIO ## Import GPIO library
GPIO.setmode(GPIO.BOARD) ## Use board pin numbering
GPIO.setup(11, GPIO.OUT) ## Setup GPIO Pin 11 to OUT
while True:
GPIO.output(11,True) ## Turn on Led
time.sleep(1) ## Wait for one second
GPIO.output(11,False) ## Turn off Led
time.sleep(1) ## Wait for one second