ASSESSMENT 3

```
#!/usr/bin/env python
import RPi.GPIO as GPIO # RPi.GPIO can be referred as GPIO from now
import time

ledPin = 22    # pin22

def setup():
    GPIO.setmode(GPIO.BOARD)       # GPIO Numbering of Pins
    GPIO.setup(ledPin, GPIO.OUT)   # Set ledPin as output
    GPIO.output(ledPin, GPIO.LOW)  # Set ledPin to LOW to turn Off the LED

def loop():
    while True:
        print 'LED on'
        GPIO.output(ledPin, GPIO.HIGH)   # LED On
        time.sleep(1.0)                  # wait 1 sec
        print 'LED off'
        GPIO.output(ledPin, GPIO.LOW)   # LED Off
        time.sleep(1.0)                 # wait 1 sec
def endprogram():

    GPIO.output(ledPin, GPIO.LOW)     # LED Off
    GPIO.cleanup()                  # Release resources

if __name__ == '__main__':        # Program starts from here
    setup()
```

```
try:
    loop()
except KeyboardInterrupt:  # When 'Ctrl+C' is pressed, the destroy() will be  executed.
    endprogram()
```