**Assignment -3**

Python Programming

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**Question-1:**

write a python code for blinking led and traffic lights for raspberry pi

**Solution:**

Our script needs to do the following:

1. Initialize the GPIO ports
2. Turn the LED on and off in 1 second intervals

**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)

**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) GPIO.output(8, GPIO.LOW)

sleep(1)

With our program finished, save it as blinking\_led.py and run it either inside your IDE or in the console with :

# $ python blinking\_led.py