

**RAJALAKSHMI INSTITUTE OF TECHNOLOGY**  
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**TOPIC:** To derive a python code for blinking LED and Traffic lights for Raspberry pi.

**CODE:**

*#python code for blinking LED and Traffic lights for execution in Raspberry Pi.#*

*import RPi.GPIO as GPIO # Importing Raspberry Pi GPIO lib*

*from time import sleep # Import the sleep function from the time module*

*GPIO.setwarnings(False) # Ignore warning for now*

*GPIO.setmode(GPIO.BOARD) # Use physical pin numbering*

*GPIO.setup(8, GPIO.OUT, initial=GPIO.LOW) # Set pin 8 to be an output pin and set initial value to low (off)*

*while True: # Run forever*

*GPIO.output(8, GPIO.HIGH) # Turn on*

*sleep(1) # Sleep for 1 second*

*GPIO.output(8, GPIO.LOW) # Turn off*

*sleep(1) # Sleep for 1 second*