Assignment 3

//Code for Blinking LED//

import RPi.GPIO as GPIO import time

LED = 40

GPIO.setwarnings(False) GPIO.setmode(GPIO.BOARD) GPIO.setup(LED, GPIO.OUT)

while True:

GPIO.output(LED,GPIO.HIGH)

time.sleep(1) GPIO.output(LED,GPIO.LOW)

time.sleep(1)

//Code for Traﬃc Light System//

from gpiozero import Button, TraﬃcLights, Buzzer from time import sleep

buzzer = Buzzer(15) button = Button(21)

lights = TraﬃcLights(25, 8, 7)

while True:

button.wait\_for\_press() buzzer.on() light.green.on() sleep(1) lights.amber.on() sleep(1)

lights.red.on() sleep(1) lights.off() buzzer.off()