Assignment Date	10-10-2022
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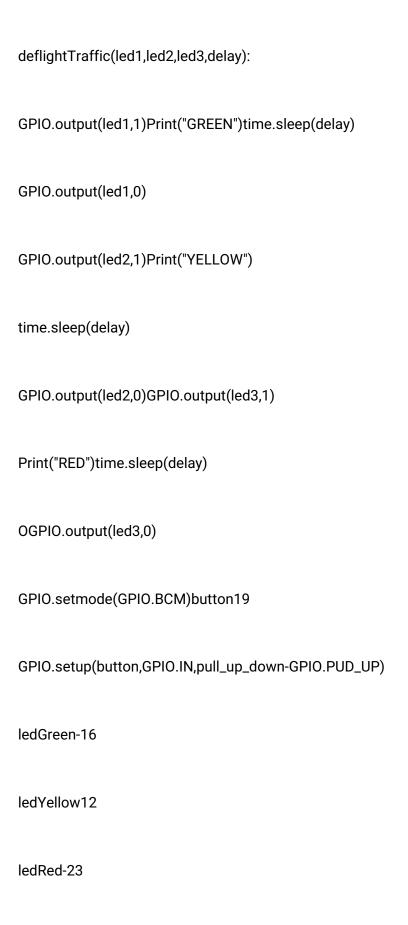
ASSIGNMENT-3

PYTHON PROGRAMMING

GPIO.setmode(GPIO.BOARD)

Question:
Write python code for blinking LED and Traffic lights for Raspberrypi.
BlinkingLed:
importRPI.GPIOasGPIO
fromtimeimportsleep
GPIO.setwarnings(False)

GPIO.setup(7,GPIO.OUT,initial=GPIO.LOW)
whileTrue:
GPIO.output(7,GPIO.low)
print("LEDoff")
sleep(1)
GPIO.output(7,GPIO.high)
print("LEDoff")
sleep(1)
TrafficLight:
importRPi.GPIOasGPIO
importtime
try:



GPIO.setup(ledGreen,GPIO.OUT)	
GPIO.setup(ledYellow,GPIO.OUT)	
GPIO.setup(ledRed,GPIO.OUT)whil	leTrue:
input_state=GPIO.input(button)	
ifinputstate-False:	
print('ButtonPressed')lightTraffic(l	edGreen,ledYellow,ledRed,1)
else:	
GPIO.output(ledGreen,0)	
GPIO.output(ledYellow,0)GPIO.out	put(ledRed,0)
exceptKeyboardInterrupt:	
print"You've exited the program"	

GPIO.cleanup()