Assignment - 3

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**Question 1:**

Write a python code for led blinking with Raspberry pi.

**Code:**

import RPi.GPIO as GPIO

import time

GPIO.setmode(GPIO.BCM)

GPIO.setup(18, GPIO.OUT)

while True:

GPIO.output(18, GPIO.HIGH)

time.sleep(1)

GPIO.output(18, GPIO.LOW)

time.sleep(1)

**Question – 2:**

Write a python code for traffic light with Raspberry pi.

**Code:**

import RPi.GPIO as GPIO

import time

GPIO.setmode(GPIO.BCM)

red = 17

yellow = 18

green = 22

GPIO.setup(red, GPIO.OUT)

GPIO.setup(yellow, GPIO.OUT)

GPIO.setup(green, GPIO.OUT)

GPIO.output(red, False)

GPIO.output(yellow, False)

GPIO.output(green, False) try:

while True:

print "Red"

GPIO.output(red, True)

time.sleep(5)

GPIO.output(red, False)

print "Green"

GPIO.output(green, True)

time.sleep(4)

GPIO.output(green, False)

print "Yellow"

GPIO.output(yellow, True)

time.sleep(2) GPIO.output(yellow, False)

print "Red & Yellow"

GPIO.output(red, True)

GPIO.output(yellow, True)

time.sleep(2)