

Assignment-3

Assignment Date	07 October 2022
Student Name	M. Bala Vignesh Kumar
Student Roll Number	910619106008
Maximum Marks	2 Marks

Question-1:

Write a Python Code for Blinking Led and Traffic Lights for Raspberry Pi

CODE -1

```
from gpiozero import LED
red = LED(22)
amber = LED(27)
red.blink(1, 1)
amber.blink(2, 2)
```

CODE-2:

```
from gpiozero import LED
from time import sleep

red = LED(22)
amber = LED(27)
green = LED(17)

red.on()
sleep(1)
amber.on()
```

```
sleep(1)
green.on()
sleep(1)
```

```
//lights on and off in sequence
```

```
from gpiozero import LED
from time import sleep
```

```
red = LED(22)
amber = LED(27)
green = LED(17)
```

```
red.on()
sleep(1)
amber.on()
sleep(1)
green.on()
sleep(1)
red.off()
sleep(1)
amber.off()
sleep(1)
green.off()
```

```
//while loop  
from gpiozero import LED  
from time import sleep
```

```
red = LED(22)  
amber = LED(27)  
green = LED(17)
```

```
while True:
```

```
    red.on()  
    sleep(1)  
    amber.on()  
    sleep(1)  
    green.on()  
    sleep(1)  
    red.off()  
    sleep(1)  
    amber.off()  
    sleep(1)  
    green.off()
```

