Assignment -3
Python Code for Blinking led & Traffic lights

Assignment Date	7 OCTOBER 2022
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Question-1:

Write python code for blinking LED and Traffic lights for Raspberry pi.

```
Solution
#BLINKING LED—UKKESH
  import time
  import RPi.GPIO as GPIO
 GPIO.setmode(GPIO.BCM)
 GPIO.setup(18, GPIO.OUT)
  while True:
        GPIO.output(18,True) # Turn on Led
time.sleep(1)
        GPIO.output(18,False) # Turn off Led
time.sleep(1)
#TRAFFIC LIGHTS import
RPi.GPIO as GPIO
import time import
signal
import sys
GPIO.setmode(GPIO.BCM)
GPIO.setup(9, GPIO.OUT)
GPIO.setup(10, GPIO.OUT)
GPIO.setup(11, GPIO.OUT) def
allLightsOff(signal, frame):
GPIO.output(9, False)
   GPIO.output(10, False)
   GPIO.output(11, False)
GPIO.cleanup()
   sys.exit(0) signal.signal(signal.SIGINT,
allLightsOff) while True:
   #  Red
   GPIO.output(9, True)
time.sleep(3)
   # Red and amber
GPIO.output(10, True)
time.sleep(1)
   # Green
```

```python
    GPIO.output(9, False)
    GPIO.output(10, False)
    GPIO.output(11, True)
    time.sleep(5)
    # Amber
    GPIO.output(11, False)
GPIO.output(10, True)
time.sleep(2)
    # Amber off (red comes on at top of loop)
    GPIO.output(10, False)
```