IBM ASSIGNMENT – 3

PYTHON CODE FOR BLINKING OF LED USING RASBERRYPI:

```python
from machine import Pin          # interfacing with the rasberrypi pico
from time import sleep
led = Pin(17, Pin.OUT)           #pin number - 17; pin function - outputwhile
True:
 led.value(1)                    # set the pin 17 to high
 sleep(1)                        #delay for 1 second
 led.value(0)                    #set the pin 17 to low
 sleep(1)                        #delay for 1 second
```

PYTHON CODE FOR TRAFFIC LIGHT USING RASBERRYPI:

```python
from machine import Pin              # interfacing with the rasberrypi pico
from time import sleep
red_led = Pin(17, Pin.OUT)           #pin number - 17; pin function - output
yellow_led = Pin(18, Pin.OUT)        #pin number - 18; pin function - output
green_led = Pin(19, Pin.OUT)         #pin number - 19; pin function - output
while True:
        print("Stop - red ")        #stop signal - red glows
        red_led.value(1)
        yellow_led.value(0)
        green_led.value(0)
        sleep(4)
        print("Alert - yellow ")     #Alert signal - yellow glows
```

```
red_led.value(0)
yellow_led.value(1)
green_led.value(0)
sleep(1)
print("Go - Green ")              #Go signal - green glows
 red_led.value(0)
yellow_led.value(0)
green_led.value(1)
sleep(3)
```