## Assignment – 3 Python Programming

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## Question-1:

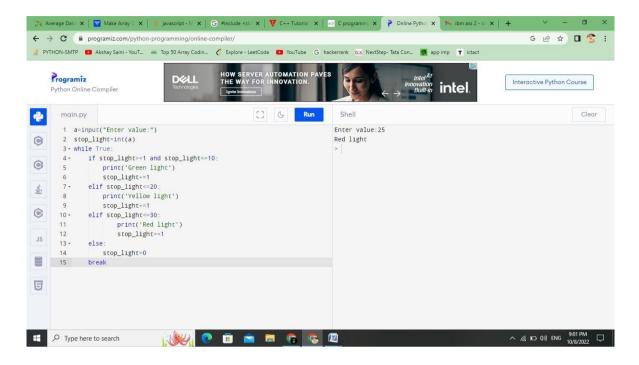
Write Python Code for blinking LED and traffic light for Raspberry pi(Only python code)

## **SOLUTION:**

break

```
a=input("Enter value:")
stop_light=int(a)
while True:
    if stop_light>=1 and stop_light<=10:
        print('Green light')
        stop_light+=1
    elif stop_light<=20:
        print('Yellow light')
        stop_light+=1
    elif stop_light<=30:
        print('Red light')
        stop_light==1
    else:
        stop_light=0</pre>
```

## output:



High temperature is detetcted Buzzer on,alarm sound is high High temperature is detetcted Buzzer on,alarm sound is high High temperature is detetcted Buzzer on,alarm sound is high Temprature reached maximum thershold of 30 degrees celsius

High temperature is detetcted Buzzer on,alarm sound is high High humidity is detetcted Buzzer on,alarm sound is high High temperature is detetcted

> main.py -§-8 print('- ---") if a>46: 10 print("High temperature is detetcted") print("Buzzer on, alarm sound is high") 12 • 11 elif a==40:1.3 print("Temprature reached maximum thershold of 40 degrees celsius") 14\* else: print("Good temperature") is 16 #for Humidity 17\* i€ b>60 : print("High humidity is detetcted") 18 print("Bu2zer on, alarm sound is high") i9 20\* elif a == 6e:

Ln: 23, Col: 31



Share Command Line Arguments

High temperature is detetcted Buzzer ou,aIarm sOuud is high High humidity is detetcted Buzzer ou,alarm sound is high

High temperature is detetcted Buzzer on, alarm souud is high High humidity is detetcted