Assignment -3

Python programming

Assignment Date	30 September 2022
Student Name	Sruthika G S
Student Roll Number	910619104088
Maximum Marks	2 Marks

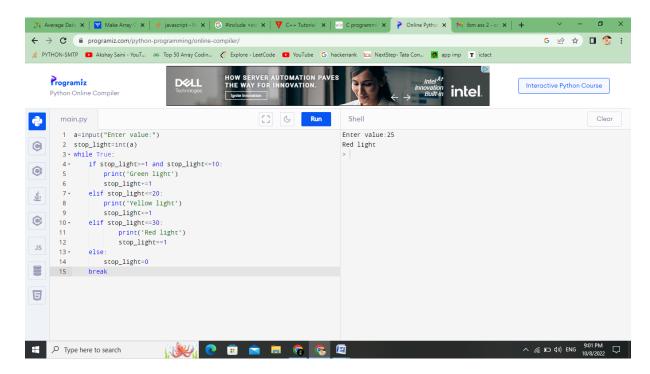
Question-1:

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

SOLUTION:

```
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
    break</pre>
```

output:



```
High temperature is detected
Buzzer on, alarm sound is high
High humidity is detected
Buzzer on, alarm sound is high
High temperature is detected
Buzzer on, alarm sound is high
High humidity is detected
Buzzer on, alarm sound is high
High temperature is detected
Buzzer on, alarm sound is high
High temperature is detected
Buzzer on, alarm sound is high
High temperature is detected
Buzzer on, alarm sound is high
Buzzer on, alarm sound is high
High temperature is detected
Buzzer on, alarm sound is high
High temperature reached maximum thershold of 30 degrees celsius
High temperature is detected
Buzzer on, alarm sound is high
High temperature is detected
Buzzer on, alarm sound is high
High temperature is detected
Buzzer on, alarm sound is high
High temperature is detected
Buzzer on, alarm sound is high
High temperature is detected
Buzzer on, alarm sound is high
High temperature is detected
Buzzer on, alarm sound is high
High temperature is detected
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High temperature is detected
Buzzer on, alarm sound is high
High temperature is detected
Buzzer on, alarm sound is high
High temperature is detected
```

