

Assignment -3

Python programming

Assignment Date	30 September 2022
Student Name	Bhuvaneshwari G
Student Roll Number	210619106007
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
```

output:

Average Data X

Make Array C X

javascript - l X

#include <st X

C++ Tutorial X

C program X

Online Python X

ibm ass 2 - s X

programiz.com/python-programming/online-compiler/

PYTHON-SMTP

Alkshay Saini - YouT...

Top 50 Array Codin...

Explore - LeetCode

YouTube

hackerrank

NextStep- Tata Con...

app imp

ictact

Programiz

Python Online Compiler.

DELL

Technologies

HOW SERVER AUTOMATION PAVES
THE WAY FOR INNOVATION.

ignite innovation

Intel

It

Innovation

Built-in

Interactive Python Course

main.py

Run

Shell

Clear

```
1 a=input("Enter value:")
2 stop_light=int(a)
3 while True:
4     if stop_light>=1 and stop_light<=10:
5         print('Green light')
6         stop_light+=1
7     elif stop_light<=20:
8         print('Yellow light')
9         stop_light+=1
10    elif stop_light<=30:
11        print('Red light')
12        stop_light+=1
13    else:
14        stop_light=0
15    break
```

Enter value:25

Red light

>

Type here to search

ENG

9:01 PM

10/8/2022

```

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

```

```

main.py +
8   print("-----")
9   if a>40:
10      print("High temperature is detetcted")
11      print("Buzzer on,alarm sound is high")
12  elif a==40:
13      print("Temprature reached maximum thershold of 40 degrees celsius")
14  else:
15      print("Good temperature")
16  #for Humidity
17  if b>60 :
18      print("High humidity is detetcted")
19      print("Buzzer on,alarm sound is high")
20  elif a == 60:

```

Ln: 23, Col: 31

 Run  Share Command Line Arguments

```

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

```