

Assignment -3
Python Programming

Assignment Date	07 october 2022
Student Name	AKILAN.B
Student Roll Number	821219104002
Maximum Marks	2 Marks

Question-1:

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

Only python code is enough, no need to execute in raspberry pi.

```
X = "LED BLINK"
```

```
if X == "LED BLINK":
```

```
    print(X)
```

```
LED1=int(input("enter a value"))
```

```
LED2=int(input("enter a value"))
```

```
LED3=int(input("enter a value"))
```

```
if LED1 >70:
```

```
    print("RED")
```

```
elif LED2 >60:
```

```
    print("ORANGE")
```

```
elif LED3 == LED1:
```

```
    print("GREEN")
```

```
else:
```

```
    print("HIGH TRAFFIC")
```

```
akilan.py - C:\Users\Admin\AppData\Local\Programs\Python\Python35\akilan.py (3.5.1)
File Edit Format Run Options Window Help
X = "LED BLINK"
if X == "LED BLINK":
    print(X)

LED1=int(input("enter a value"))
LED2=int(input("enter a value"))
LED3=int(input("enter a value"))
if LED1 >70:
    print("RED")
elif LED2 >60:
    print("ORANGE")
elif LED3 == LED1:
    print("GREEN")
else:
    print("HIGH TRAFFIC")

Python 3.5.1 Shell
Python 3.5.1 (v3.5.1:37a07cee5969, Dec 6 2015, 01:54:25) [MSC v.1900 64 bit (AMD64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
== RESTART: C:\Users\Admin\AppData\Local\Programs\Python\Python35\akilan.py ==
LED BLINK
enter a value80
enter a value70
enter a value80
RED
>>>
== RESTART: C:\Users\Admin\AppData\Local\Programs\Python\Python35\akilan.py ==
LED BLINK
enter a value60
enter a value70
enter a value60
ORANGE
>>>
== RESTART: C:\Users\Admin\AppData\Local\Programs\Python\Python35\akilan.py ==
LED BLINK
enter a value60
enter a value50
enter a value60
GREEN
>>>
== RESTART: C:\Users\Admin\AppData\Local\Programs\Python\Python35\akilan.py ==
LED BLINK
enter a value60
enter a value50
enter a value40
HIGH TRAFFIC
>>>
```