

Assignment -3
Python Programming

Assignment Date	07 october 2022
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Student Roll Number	821219104003
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"
```

```
while X == "LED BLINK":
```

```
    print(X)
```

```
    break
```

```
LED1 = "red"
```

```
LED2 = "orange"
```

```
LED3 = "green"
```

```
while LED1 == "red":
```

```
    print(LED1)
```

```
    if LED1 == "red":
```

```
        break
```

```
while LED2 == "orange":
```

```
    print(LED2)
```

```
    LED2 += "orange"
```

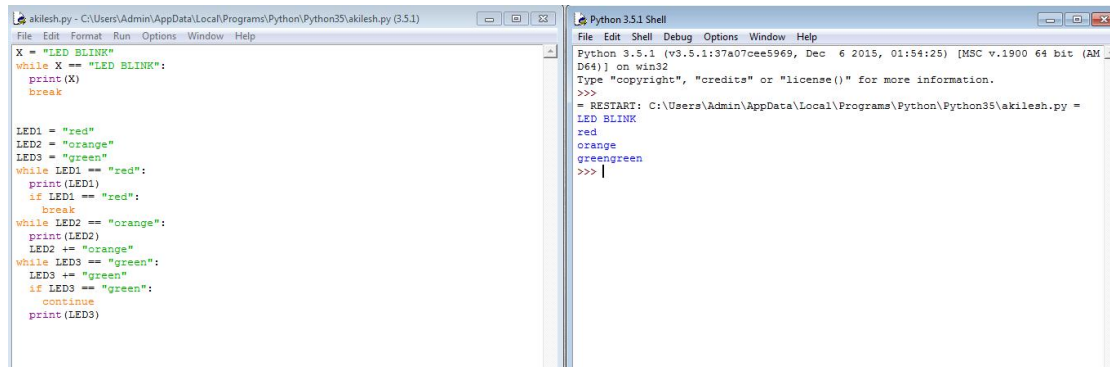
```
while LED3 == "green":
```

```
    LED3 += "green"
```

```
if LED3 == "green":
```

```
    continue
```

```
print(LED3)
```



The screenshot shows a Python IDE with two windows. The left window, titled 'akilesh.py', contains the following code:

```
X = "LED BLINK"
while X == "LED BLINK":
    print(X)
    break

LED1 = "red"
LED2 = "orange"
LED3 = "green"
while LED1 == "red":
    print(LED1)
    if LED1 == "red":
        break
while LED2 == "orange":
    print(LED2)
    LED2 += "orange"
while LED3 == "green":
    LED3 += "green"
    if LED3 == "green":
        continue
    print(LED3)
```

The right window, titled 'Python 3.5.1 Shell', shows the output of the script:

```
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\akilesh.py =
LED BLINK
red
orange
greengreen
>>> |
```