

Assignment -3
PYTHON PROGRAMMING

Assignment Date	02 october 2022
Student Name	Ms. JAYASHREE S
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Maximum Marks	2 Marks

Question-1:

Write python code for blinking LED and Traffic Lights for Raspberry pi.

Solution:

PROGRAM:

```
from gpiozero import LED
```

```
import time
```

```
red=LED(15)
```

```
yellow=LED(16)
```

```
green=LED(18)
```

```
red.on()
```

```
time.sleep(5)
```

```
red.off()
```

```
yellow.on()
```

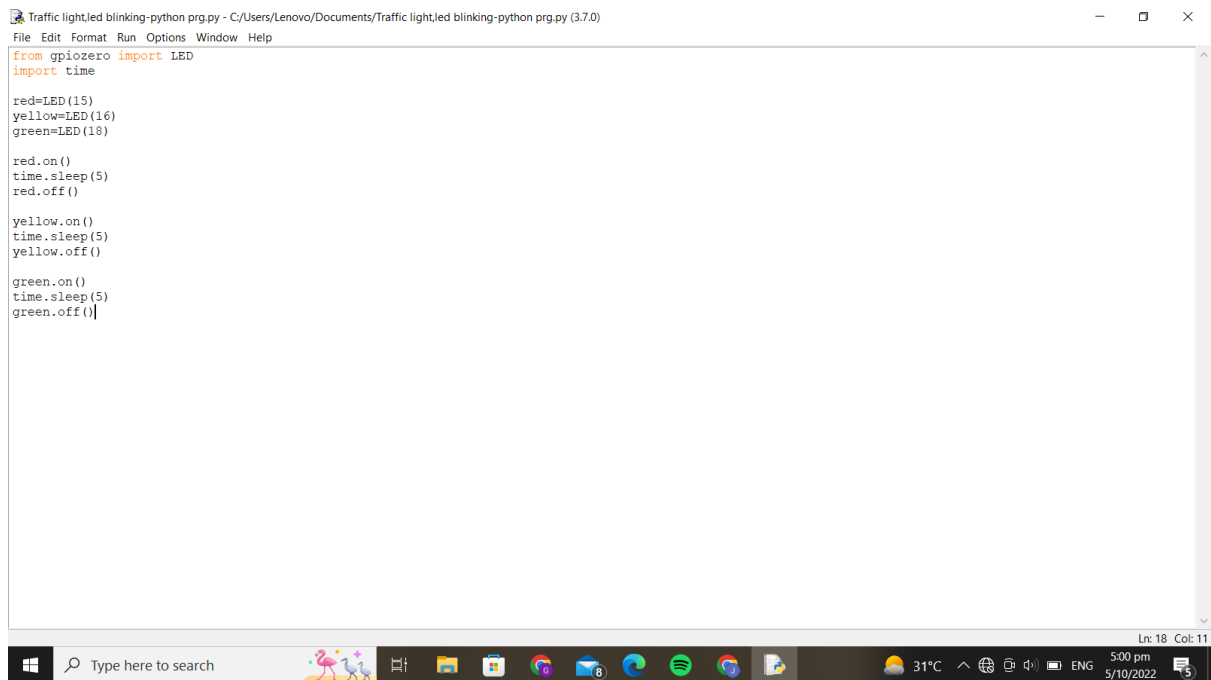
```
time.sleep(5)
```

```
yellow.off()
```

```
green.on()
```

```
time.sleep(5)
```

green.off()



The screenshot shows a Python IDE window titled "Traffic light,led blinking-python prg.py - C:/Users/Lenovo/Documents/Traffic light,led blinking-python prg.py (3.7.0)". The menu bar includes File, Edit, Format, Run, Options, Window, and Help. The code in the editor is as follows:

```
from gpiozero import LED
import time

red=LED(15)
yellow=LED(16)
green=LED(18)

red.on()
time.sleep(5)
red.off()

yellow.on()
time.sleep(5)
yellow.off()

green.on()
time.sleep(5)
green.off()
```

The status bar at the bottom right indicates "Ln: 18 Col: 11". The Windows taskbar at the bottom shows the search bar, task view, and several application icons. The system tray on the right displays the temperature (31°C), network status, battery level, and the date and time (5:00 pm, 5/10/2022).