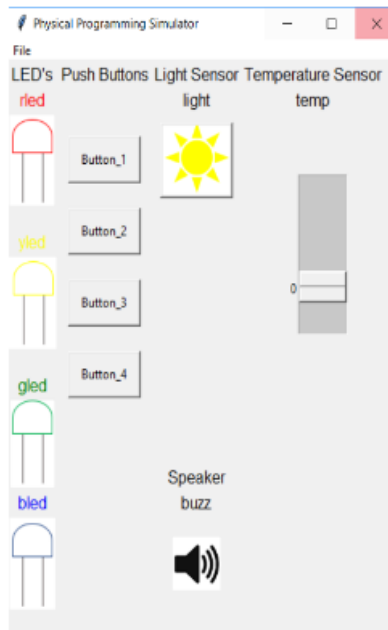
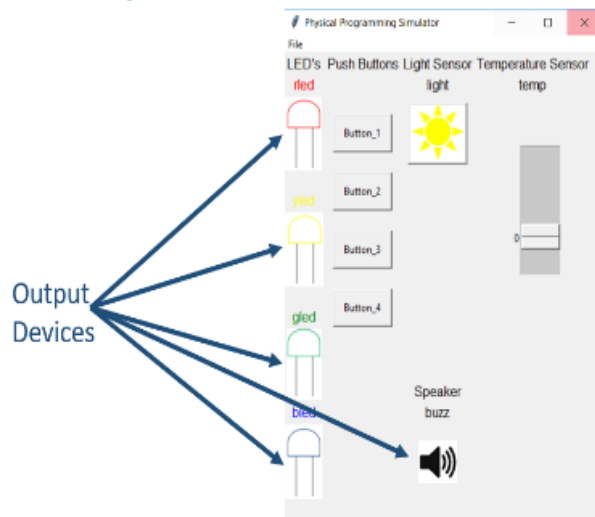


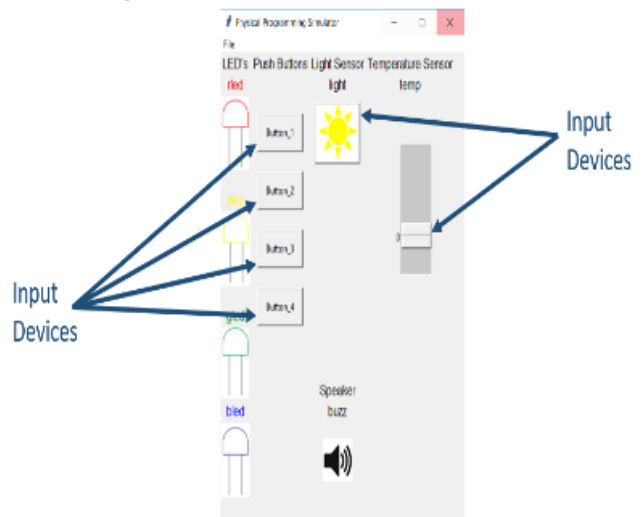
# Physical Sensor Simulator Cheatsheet



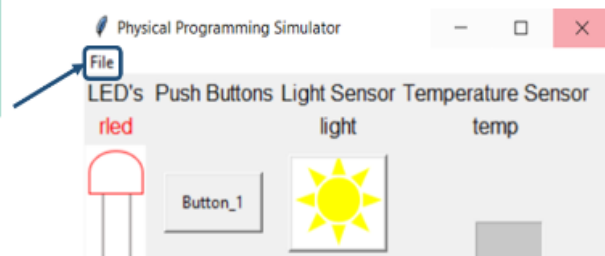
## Output Devices



## Input Devices



## Output Device Starter



## Creating a Connection to the Simulator

```
import physense_emu

sensor = physense_emu.Sensor()
```

## Steps to Connecting Code to the Simulator

- Step 1** Import the physense\_emu library.
- Step 2** Create connection to sensor.

## Programming Output Devices



### Programming Output Devices

```
sensor_name.output("device_name", "status")
```

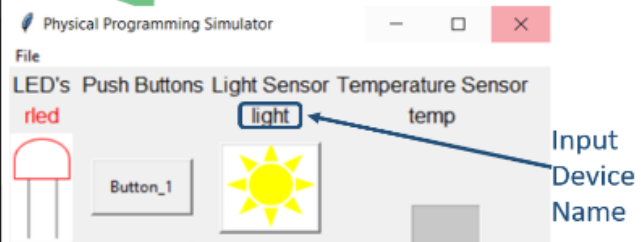
| Device Name | Device Status |
|-------------|---------------|
| rled        | on, off       |
| yled        | on, off       |
| gled        | on, off       |
| bled        | on, off       |
| buzz        | play          |

```
import physense_emu

sensor = physense_emu.Sensor()

sensor.output("rled", "on")
```

## Programming Input Devices



### Programming Input Devices

```
sensor_value = sensor_name.input("device_name")
```

| Device Name | Device Status |
|-------------|---------------|
| Button_1    | pressed       |
| Button_2    | pressed       |
| Button_3    | pressed       |
| Button_4    | pressed       |
| light       | on, off       |
| temp        | -50 - 150     |

```
import physense_emu

sensor = physense_emu.Sensor()

lightValue = sensor.input("light")
```

## Steps to Use the Simulator

- Step 1** Import the physense\_emu library.
- Step 2** Create connection to sensor.
- Step 3** Write sensor input and output statements.

- Step 4** Start the Simulator.
- Step 4a** Start the outputs for the simulator if using LED's or buzzer.
- Step 5** Execute your code.