

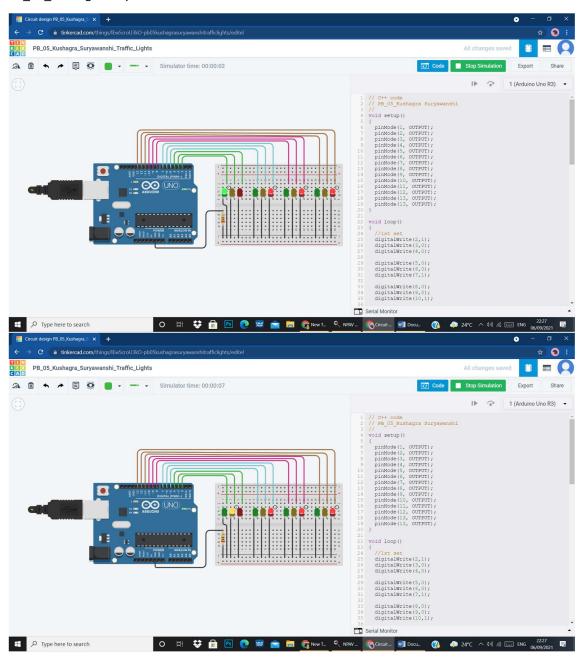
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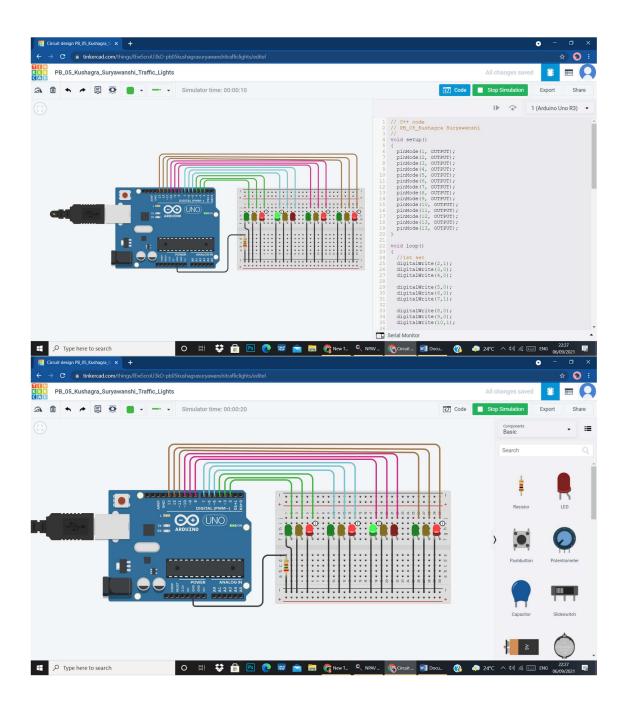
PB_05_Kushagua Suryawanshi B1	
The state of the same and the s	
EIOT LAB ASSIGNMENT-04	
* dim: Consider a suitable scenario of traffic signo considering a crossroad & demonstrate traffic control using Raslovey Pi/ Beagle board/Jinkercad &	uduin
* Theory:	
1) a) colour LED: Used for home decorations and highlie contains various colours and is attractive to look a	thus to
b) dimmer switches: Applies with miniorum wattage who used with LED bulbs.	len
c) 5mD LED: (Surface Mounted Device) used majorly chips and other handwave devices. How additional brightness hence reliable for office and household of	in In
d) COB LED: Serves a better watt ration to lumen Its signifies as it has high productivity. (Chip on Board)	
e) Organic LED: Built with organic components. Uses thin shuts and produces a diffused light area.	

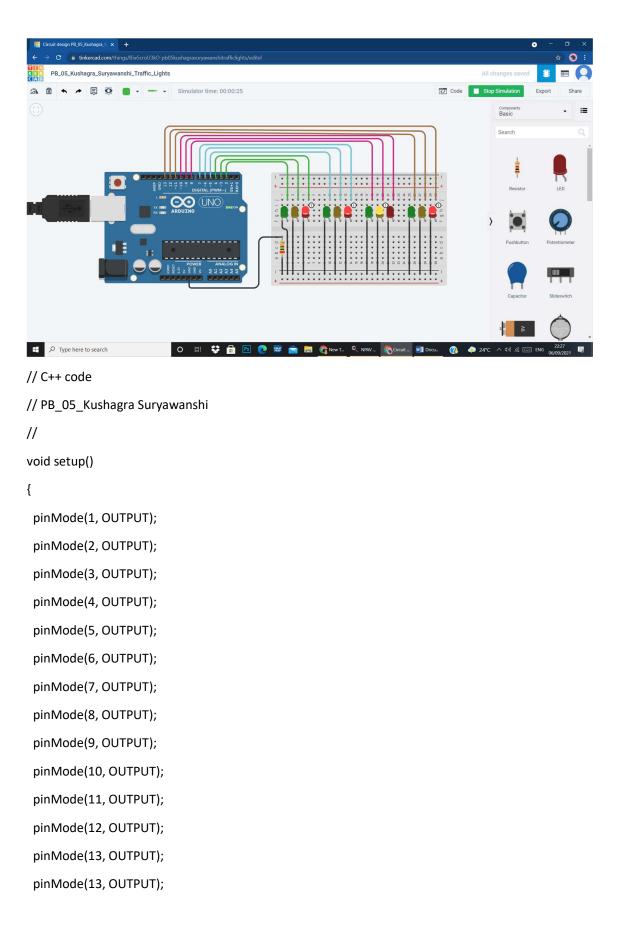


Mare str	convert sourcing when a load is connected to a device, so that the device supplies convert to the load, then the configuration is said to be convert sourcing sourcing convert is important of a sourcing input or output product the voltage source for the electric load. So that the convert flows from the power supply
Adalasi An ala	through the load and into the device then the configuration is said to be convert sinking. When current flows into the device, it is said to be sinking current.
- 10 May 100	officer muraneum allem hadopple stadebank assemble(d)
3.]	Albert 833 Albert Bress
i·)	TPT LCD display
ii.)	TPT LCD display TFT LCD Jouchscreen display
iii.)	DDT Matrin
,	White DLED.
	16×2 character LED
y ii)	4 bits digital tube LED diplay.
	Conducion: Thus, implemented traffic light control system considering a cross road scenario.
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PB_05_Kushagra Suryawanshi







```
}
void loop()
{
 //1st set
 digitalWrite(2,1);
 digitalWrite(3,0);
 digitalWrite(4,0);
 digitalWrite(5,0);
 digitalWrite(6,0);
 digitalWrite(7,1);
 digitalWrite(8,0);
 digitalWrite(9,0);
 digitalWrite(10,1);
 digitalWrite(11,0);
 digitalWrite(12,0);
 digitalWrite(13,1);
 delay(7000);
 digitalWrite(2,0);
 digitalWrite(3,1);
 delay(2000);
 //2nd set
 digitalWrite(2,0);
 digitalWrite(3,0);
 digitalWrite(4,1);
```

```
digitalWrite(5,1);
digitalWrite(6,0);
digitalWrite(7,0);
digitalWrite(8,0);
digitalWrite(9,0);
digitalWrite(10,1);
digitalWrite(11,0);
digitalWrite(12,0);
digitalWrite(13,1);
delay(7000);
digitalWrite(5,0);
digitalWrite(6,1);
delay(2000);
//3rd set
digitalWrite(2,0);
digitalWrite(3,0);
digitalWrite(4,1);
digitalWrite(5,0);
digitalWrite(6,0);
digitalWrite(7,1);
digitalWrite(8,1);
digitalWrite(9,0);
digitalWrite(10,0);
digitalWrite(11,0);
```

```
digitalWrite(12,0);
 digitalWrite(13,1);
 delay(7000);
 digitalWrite(8,0);
 digitalWrite(9,1);
 delay(2000);
 //4th set
 digitalWrite(2,0);
 digitalWrite(3,0);
 digitalWrite(4,1);
 digitalWrite(5,0);
 digitalWrite(6,0);
 digitalWrite(7,1);
 digitalWrite(8,0);
 digitalWrite(9,0);
 digitalWrite(10,1);
 digitalWrite(11,1);
 digitalWrite(12,0);
 digitalWrite(13,0);
 delay(7000);
 digitalWrite(11,0);
 digitalWrite(12,1);
 delay(2000);
}
```