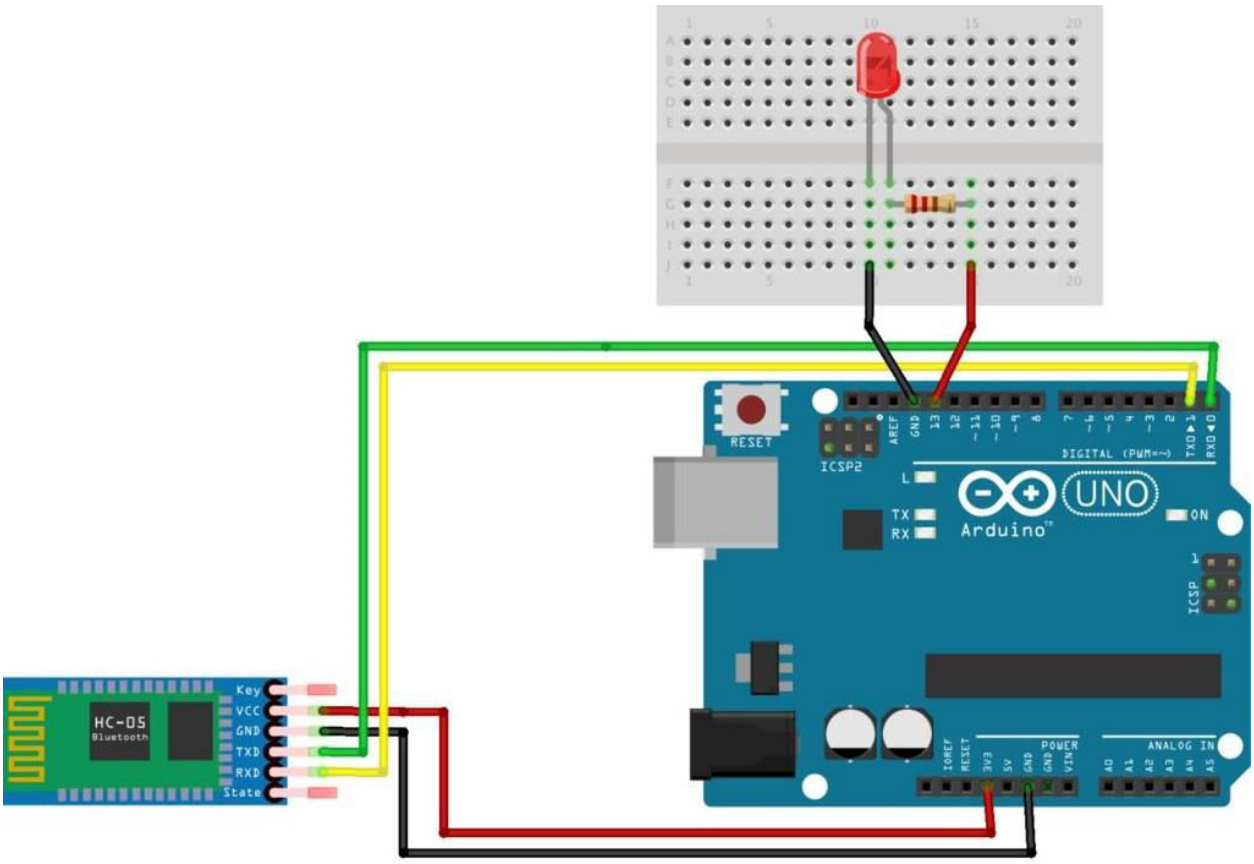
EXP:- BLUETOOTH CONTROLLED L.E.D



Concept Used : -

A circuit is made using Bluetooth and arduino. Tx of Bluetooth is connected to 0 of arduino. Ground of Bluetooth is connected to ground of arduino. And VCC(high voltage) is connected 5V of arduino.

Learning and Observations : -

- Making circuits using Arduino and bluetooth.
- Connecting Bluetooth to arduino.
- Ground is connected to ground.
- Signals are transmitted from Bluetooth to arduino.
- Bluetooth receives the signals by Rx(0).

- Coding to be done on Arduino.exe for stimulation of the experiment.

Problems & Troubleshooting: –

No problem occurred during the execution of the experiment.

Precautions :–

1. The circuit made can be wrong.
2. Any Element used may be defective.
3. The coding done can be incorrect due to which stimulation can be failed.
4. Port Selection for Arduino can be incorrect due to which it won't upload on Arduino Board and resulting in failure of experiment.

Learning Outcomes: –

1. Setting up circuit on a Arduino.
2. Connecting bluetooth and Arduino.
3. Using Tx and Rx.
4. Working and coding of Arduino.

Result: –

Working of Bluetooth and arduino is verified after uploading the program.