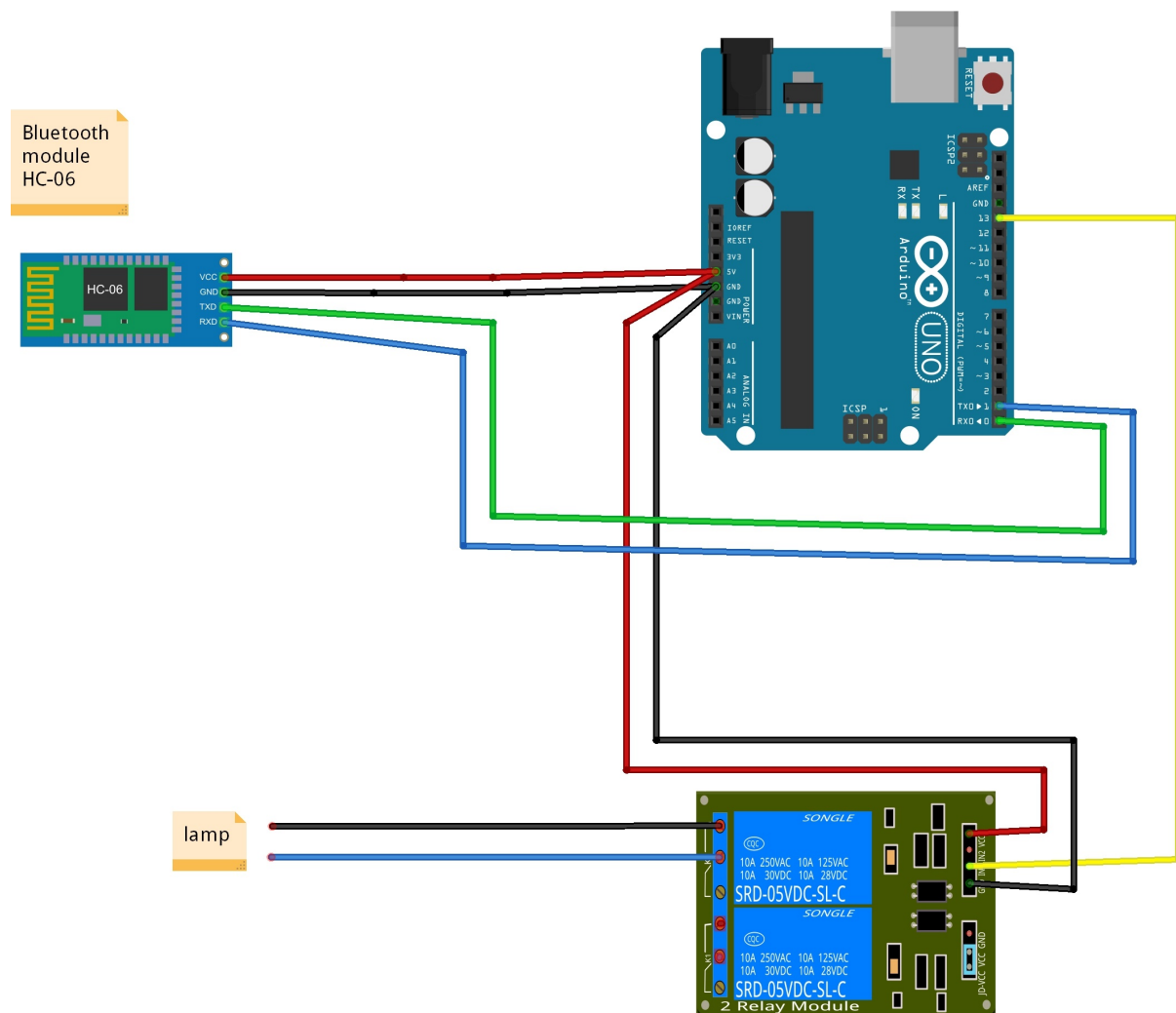# EXP-4:Light System

(Controlled by smartphone)

Circuit diagram-:

Theory-:

Concept Used-:

- With bluetooth module light can be controlled.

- Use of HC-05 Bluetooth module.

- Use of external module.

LEARNING AND OBSERVATIONS:

- Connections in Breadboard and wiring.

- How to control Arduino and its coding.

- Use of multimeter for continuity.

OBSERVATION:

- Led controlled with Bluetooth.

- Relation between software and hardware.

PROBLEMS & TROUBLESHOOTING:

- To select the right port and type of Arduino.

- To check the loose connections.

- To check the connections according to the codes.

- To check the continuity of the circuit.

- To check the flow of current in the circuit.

PRECAUTIONS:

- Handle Module carefully.

- Do not connect Arduino till the circuit is complete.

OUTCOMES:

- Light blinking when pressed on from smartphone.