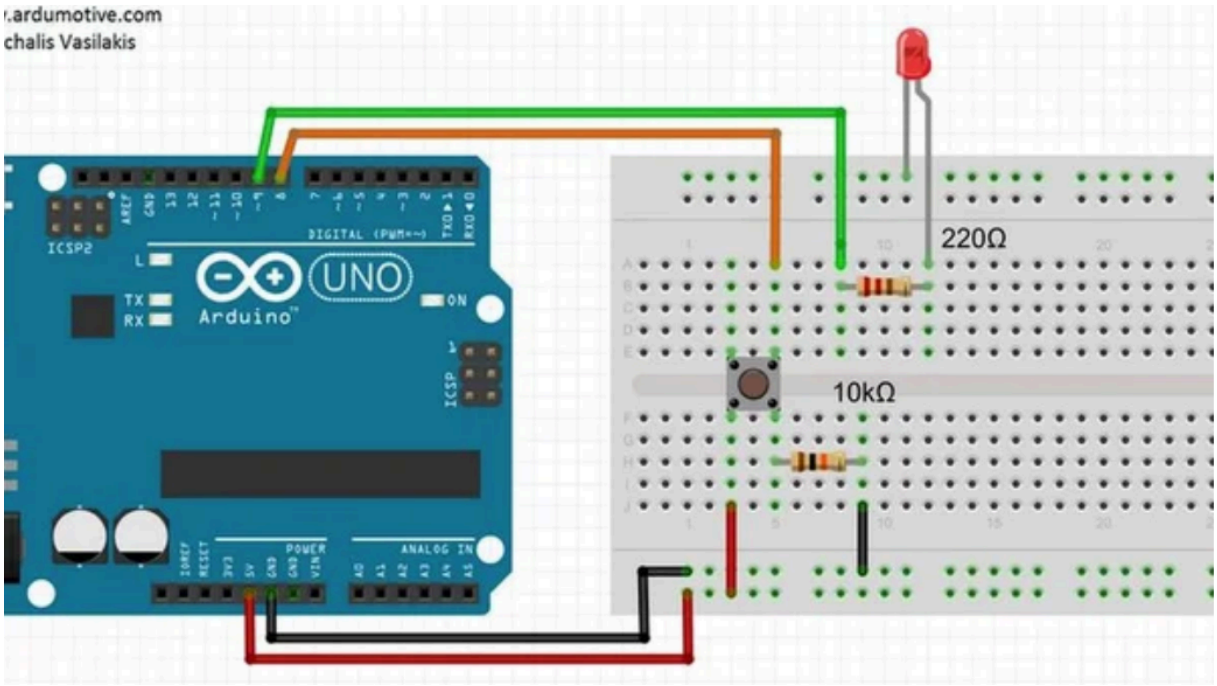
BEEE LAB EVALUATION

UID:-19BCS3872
SEM. :- FIRST
SEC. :- BIG DATA (B)

CIRCUIT DIAGRAM :-



Theory Concept Used:

A system that automatically turns on the lights inside an almirah whenever it is opened (irrespective of day/night)

In this we will use Arduino to set up led in such a way that when ever push button is pressed led will be off and when it will be not pressed led will turn on automatically

Learning and Observations:

Following observations were recorded during the experiment:

1. Arduino uses 5v supply
2. Turning off and on led

Problems and Troubleshooting:

The experiment was performed successfully without any problem.

Precautions:

The following precautions need to be considered while performing this experiment:

- The connections of the USB in both the PC and the ARDUINO UNO board should be snug.
- The USB ports of the PC and the ARDUINO UNO should be in a working condition.
- The sketch should be logically and syntactically correct and germane to the experiment that needs to be performed.

- The correct serial port should be selected that is the one through which the ARDUINO UNO has been connected.

- Look for errors during compilation and upload of the executable to the ARDUINO UNO.

- Do not open more than one instance of the ARDUINO IDE at a time.

- **Learning outcomes:**
  The various learnings as the outcome of performing the above-mentioned experiment are:

❖ Ability to identify and connect the push button with the ARDUINO through proper connections using a breadboard.

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