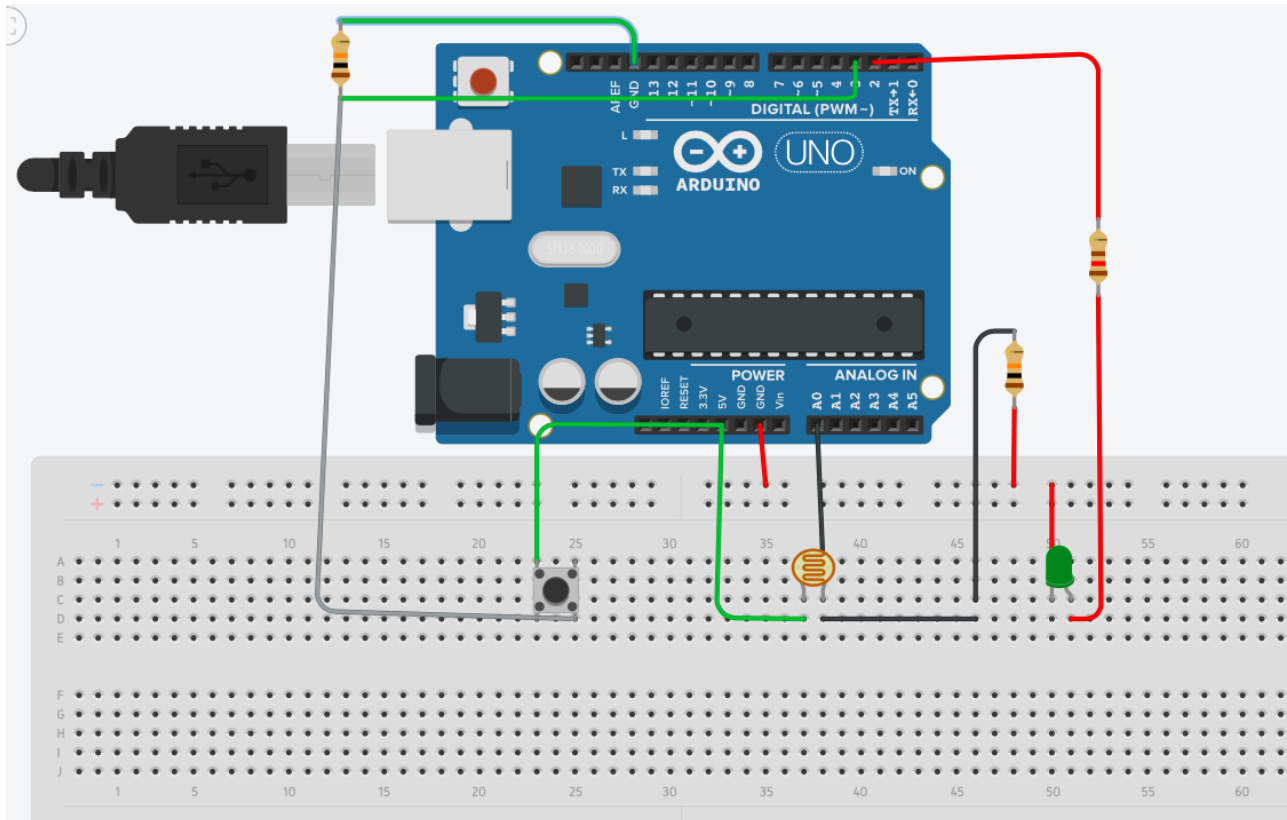


BEE EVALUATION Q.1



Concept Used :

A circuit consists of 2 digital pins are used where a pin i.e., 2 making connection of LED with Arduino and further making the connection to the ground. Now another pin i.e., 3 is connected to switch. One end of the switch is connected to 5V supply and intersection of pin 12 and switch is connected to resistor which is connected to ground from another end.

Value of resistance is very high. The resistors are used to resist the flow of current. Coding is done in such a way that when switch is pressed the LED glows.

Learning and observations:

The coding is done using computer with the help of it the instructions are provided to the Arduino Uno board .Coding done on Arduino software is C++ . Arduino is a single-board microcontroller meant to make the application more accessible which are interactive objects and its surroundings. This micro controller gives the valid instruction to the elements fitted on the breadboard according to coding done on software.

Programming on arduino and importance of grounding is observed and also the more than one work can be done on arduino is also observed.

Learning Outcome:

From this experiment we learned how to code in the software. This project was the base for the upcoming project we are going to do in upcoming semester. In this project we learned how to flash a LED bulb and how to code it on the software.

Through this I gained the skill of coding in arduino software using different methods in order to make the LEDs chasing.

We learnt how a LDR WORKS

We learnt about pull up resistance

Problems & Troubleshooting: –

1-The incorrect coding results in problems in the working of hardware. This can be corrected by learning C++ and practicing it on the software.

2-Hardware should be precisely fitted on the Breadboard or they might get fuse or get permanently damaged.

3-Arduino wire must be checked if they are loose or not. And the ports should be properly cleaned before using, they might cause problem in future.

Learning Outcome:

From this experiment we learned how to code in the software. This project was the base for the upcoming project we are going to do in upcoming semester. In this project we learned how to flash a LED bulb and how to code it on the software.

Through this I gained the skill of coding in arduino software using different methods in order to make the LEDs chasing.

We learnt how a LDR WORKS.

We learnt about pull up resistance.

Precautions :-

1. Making Correct connection.
2. Using Multimeter to check whether all the devices are in working condition or not.
3. Correct sets of instructions are provided or not to perform the specific function.

