

# EXPERIMENT: 2

## LED BLINKING

### Theory:

**Concept Used:** In this experiment we have done coding to flash LED (Light Emitting Diode) in pair of two with one continuously blinking, which is held together on the Breadboard . LED are semiconductor integrated circuits used to turn on and off groups of light emitting diodes.

**Learning and Observations :** The coding is done on computer from which the instructions are given to the Arduino Uno board . . Arduino is a single board microcontroller meant to make the application more accessible which are interactive objects and its surroundings .

### Precautions:

1- Positive and Negative terminals should be put in correct order.

2-All the wires and elements should be connected tightly.

### Problems and Trouble shooting:

1-The incorrect coding might cause problems in the working of hardware.

2-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 have learn how to code in the software . This project helps us to understand various problems of led blinking with such simple coding that can help us in various projects in future .

In this project we learned how to make four leds blinking in pair of two.