



*Build  
Your Own  
Robot*

**Session 1: Fun with  
Electronics**

# Session Objective

- **Without getting into details, In this session we are going to do few fun Electronics Experiments.**
- **In this session, you may not learn the concepts or how it works, but you will get familiarized with the few electronics components and have fun**
- **It will trigger curiosity on how this works and the exciting fields of Electronics**

# Do you also have these Questions ???



How is the bulb  
glowing?



How is Alexa  
Playing your  
song?



How is your pizza  
gets heated in an  
oven?

We also do !!!!

# Fun with Electronics



- Get ready for the following exciting projects

LED with Battery

A light with the switch

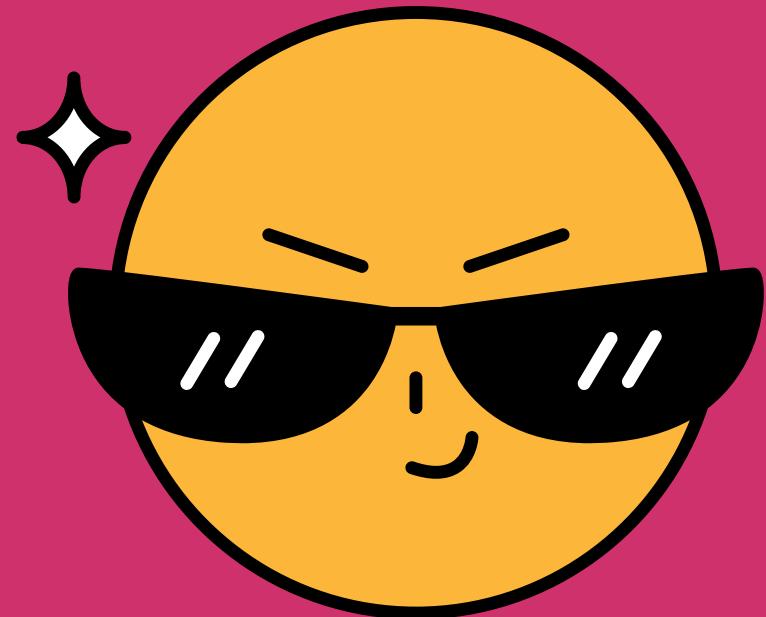
Let's make a MINI Fan

Blinking LED

Traffic Lights

RGB Dancer

LED Chaser



COOL

# Fun with Electronics



Project 1

LED with  
Battery !!



# LED with Battery !!!



## Components Needed

LED



9V Battery



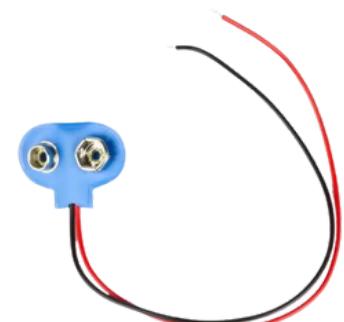
Breadboard



Resistor



Battery Connector

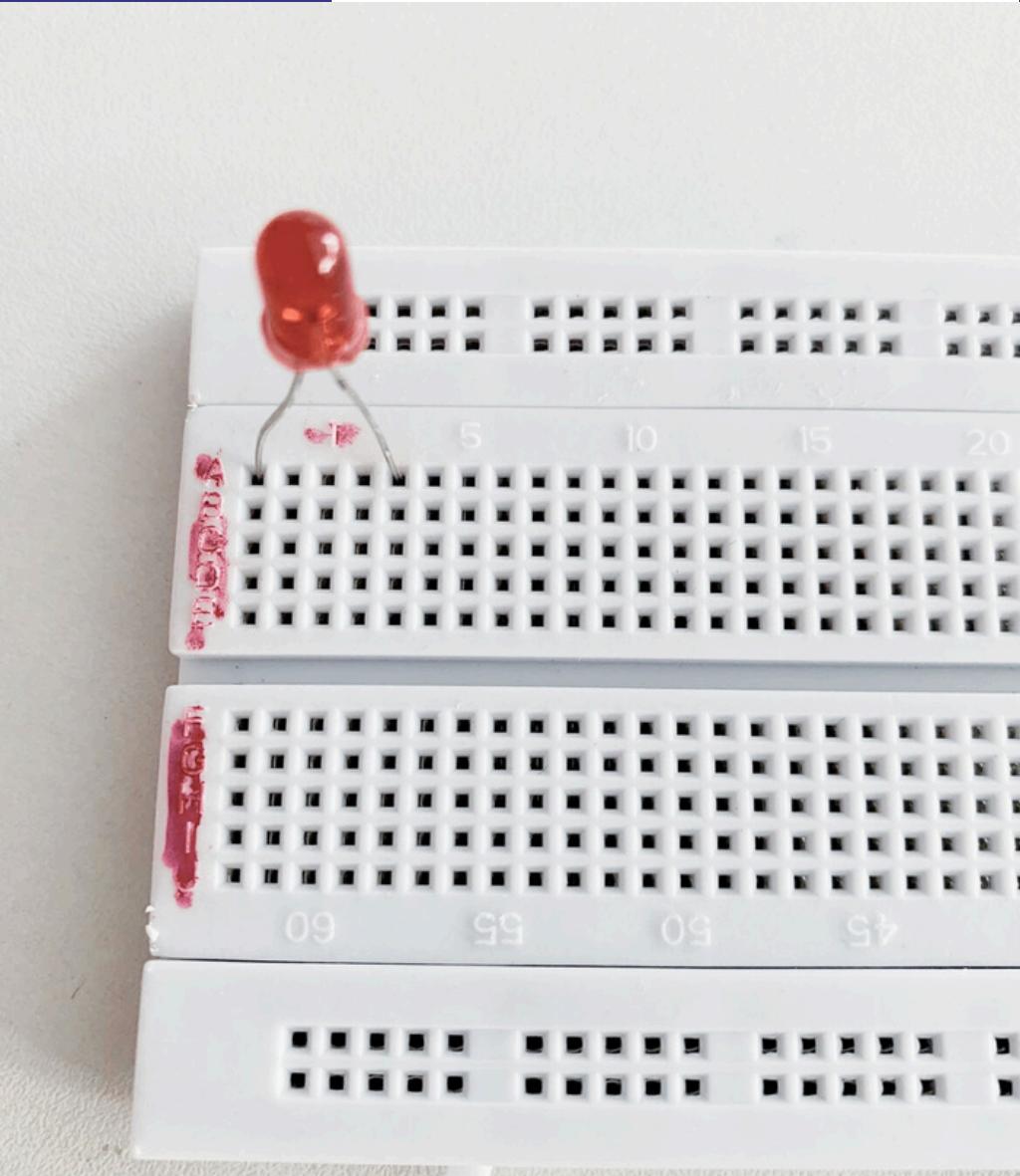


# Project : LED with Battery !!!



## Step 1

- Take a Breadboard
- Take a Led, and you see two terminals popping out, a longer one and a shorter one now insert the longer one in the first row(A1)

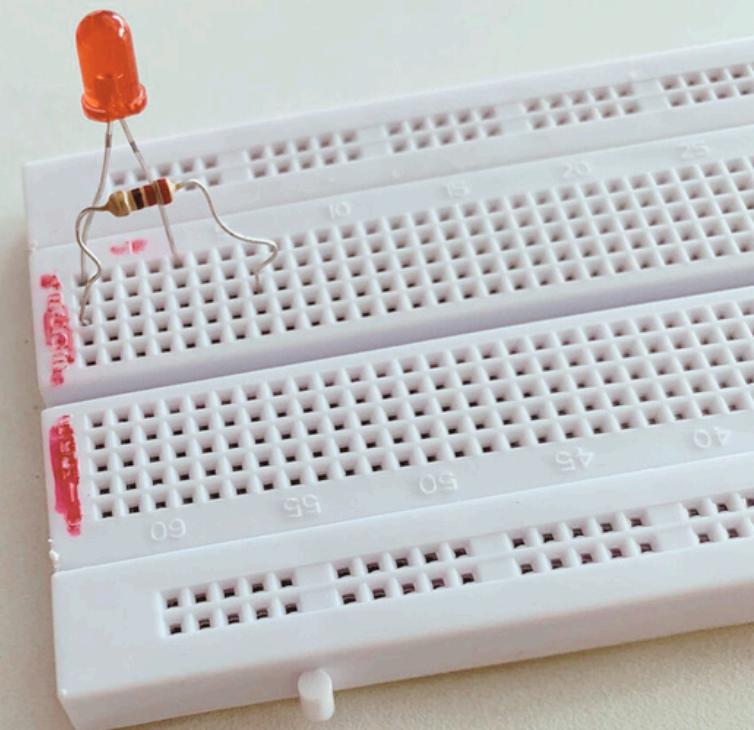


# Project : LED with Battery !!!



## Step 2

- Take a resistor, connect one in the same column as the longer terminal of led(C1) and the other towards left

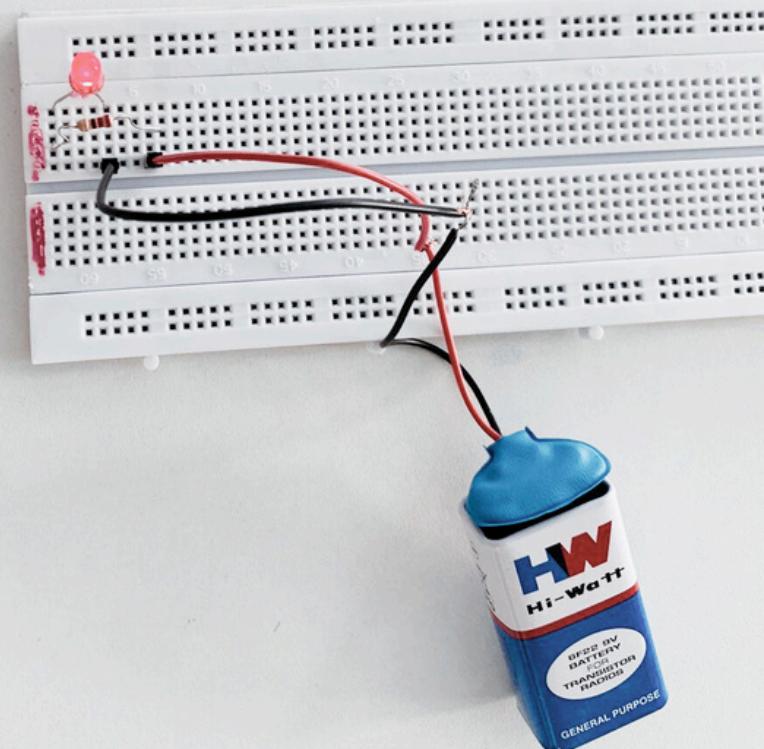


# Project : LED with Battery !!!



## Step 3

- Take a resistor, connect one in the same column as the longer terminal of led(C1) and the other towards left

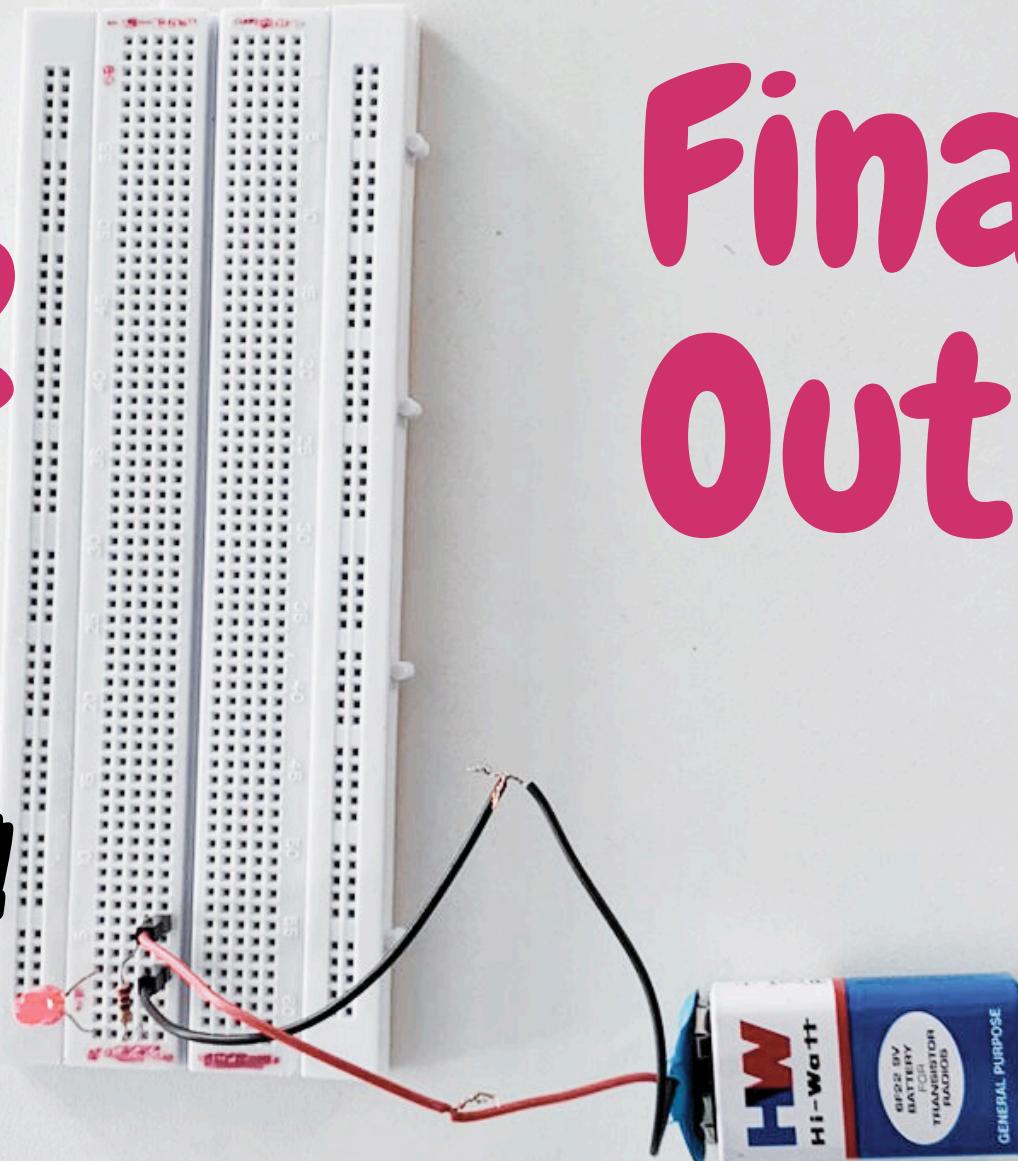


# Project : LED with Battery !!!



Do You  
See LED  
Glowing ?

Final  
Output



# Project : LED with Battery !!!



**Project : LED with Battery !!!**



**TRY ON  
YOUR OWN**

**!!!  
!!!  
!!!**

# Project : LED with Battery !!!

