

# recap



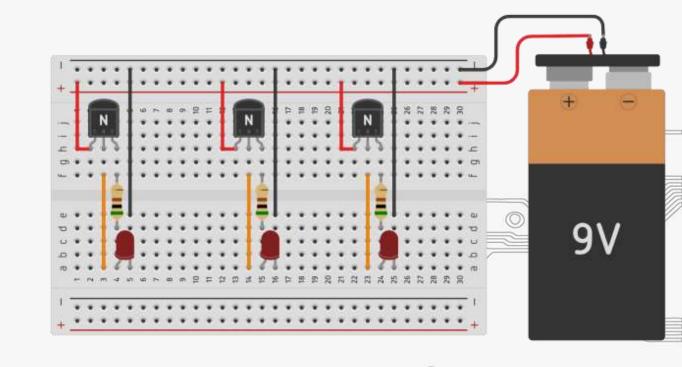
### Water Level Indicator

Water level indicator using bc548 transistor



# Introduction

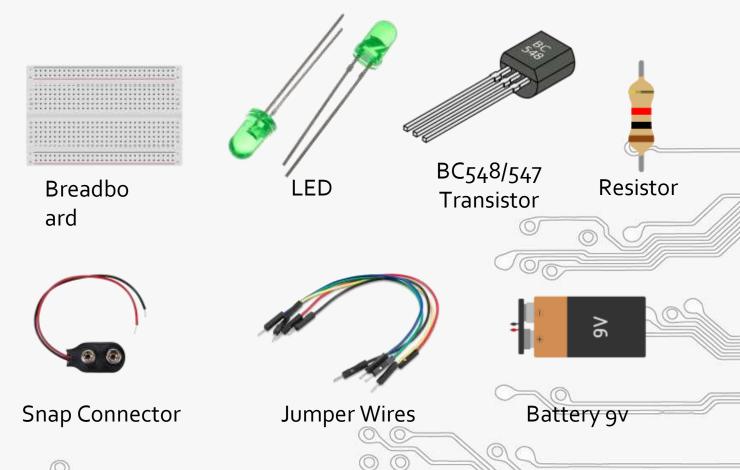
Water Level Indicator





#### **Required Components**

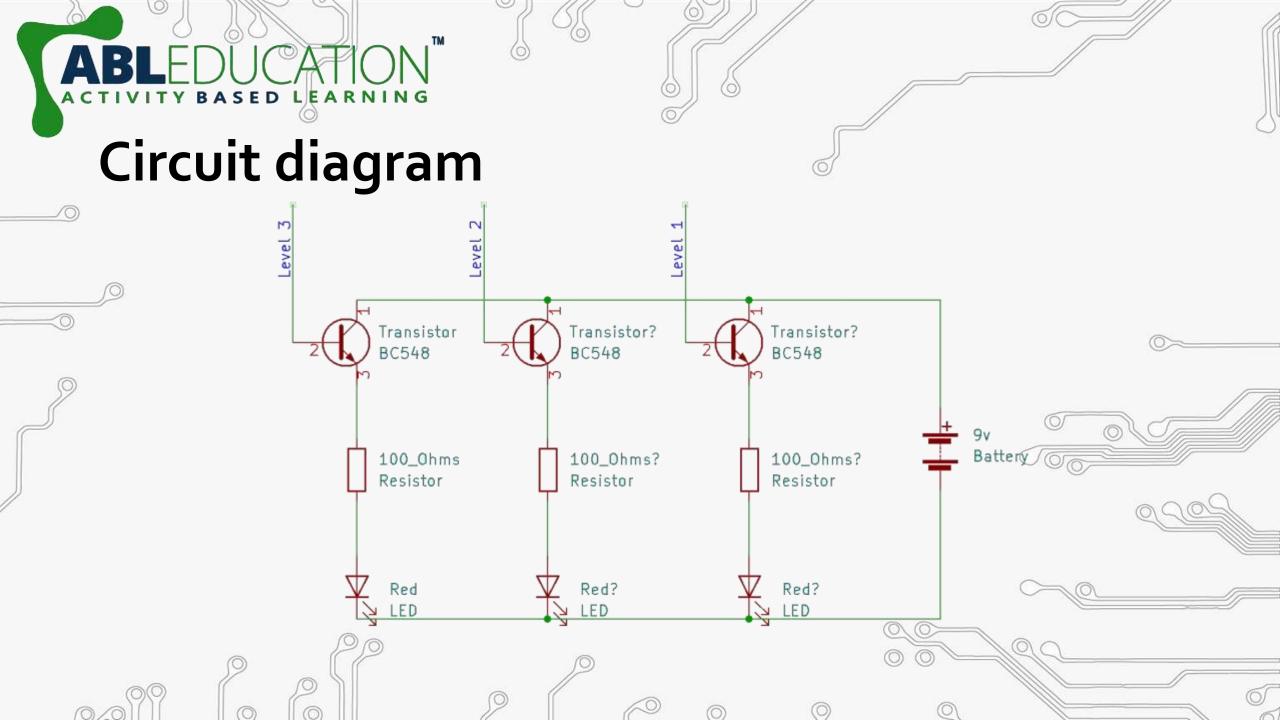
- Breadboard
- LED
- BC548/547 Transistor
- Resistor
- Snap Connector
- Jumper Wires
- Battery 9v





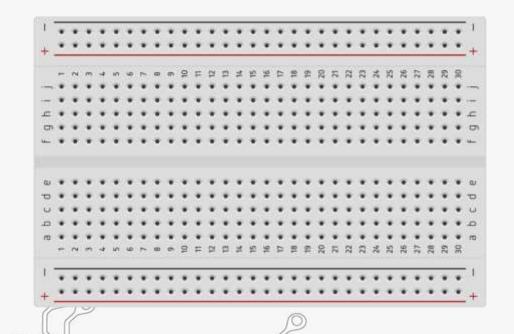
# Procedure

**Connection Steps** 



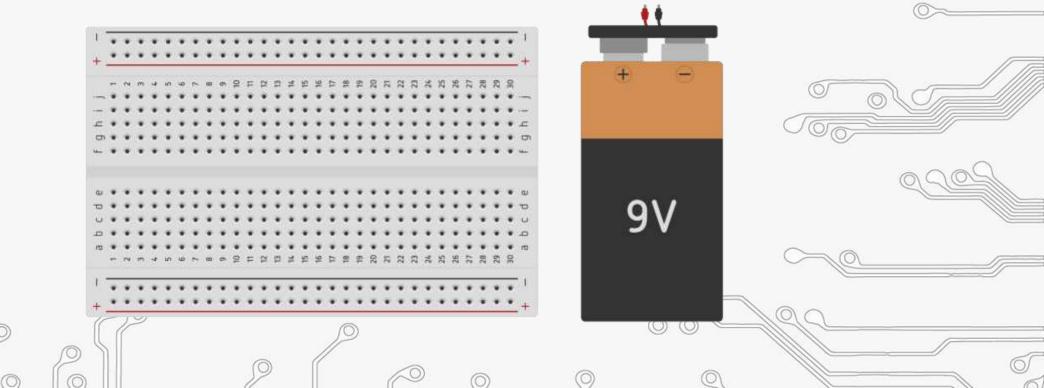


Place breadboard



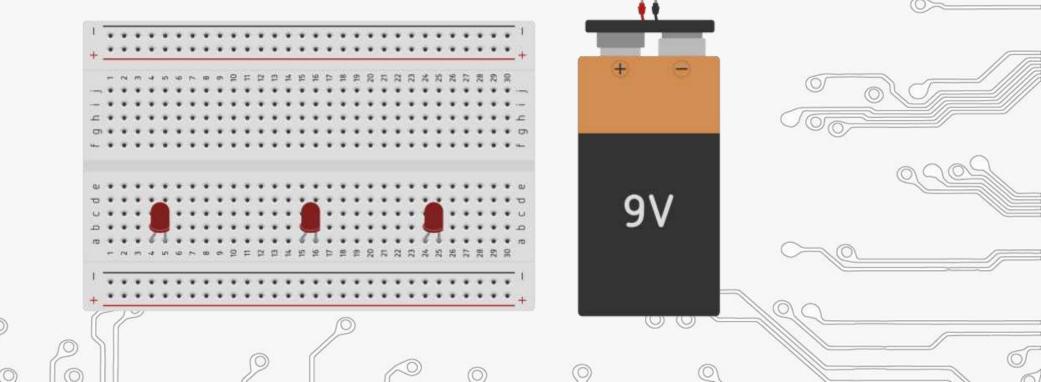


• Connect snap connector to the battery and keep it aside.



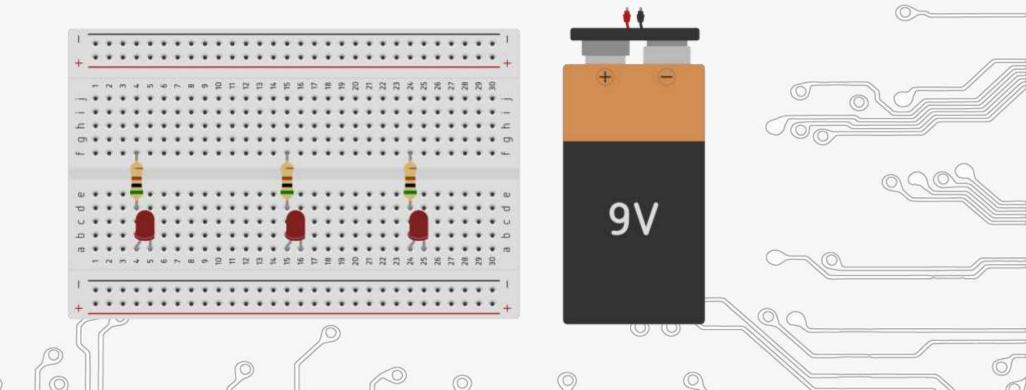


• Insert 3 LED in breadboard as shown in the diagram.



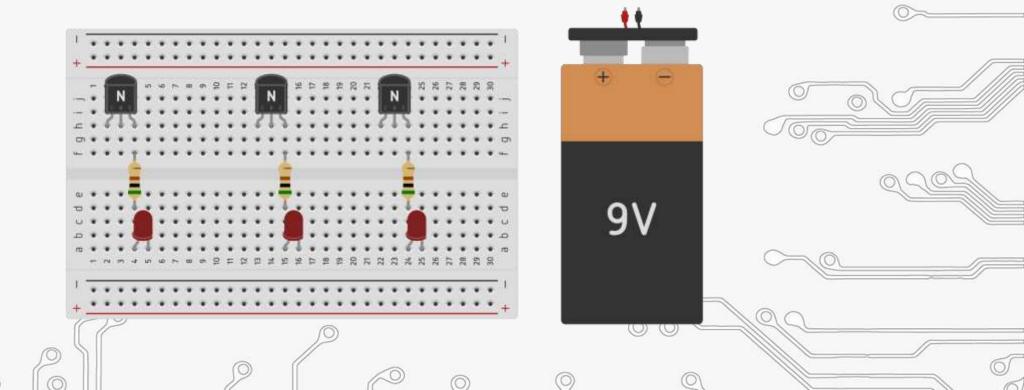


• Insert 3 resistor at anode(+) terminal of each LED as shown in the \_\_diagram.



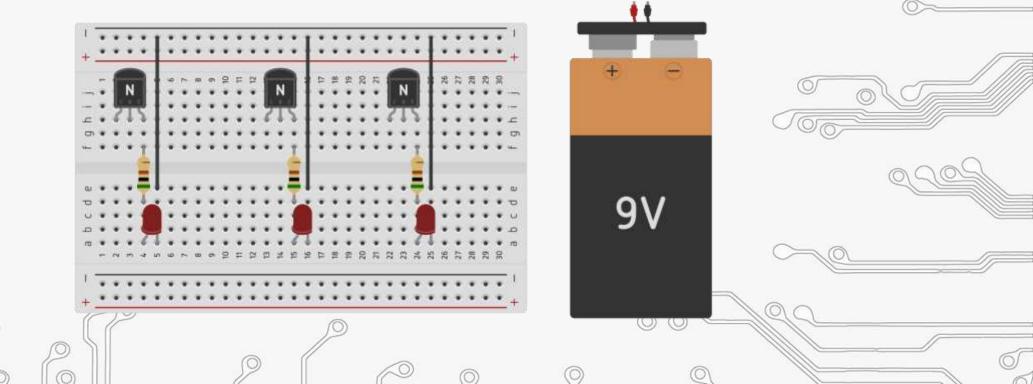


• Insert 3 BC548 transistor in breadboard and connect emitter pin to the each resistor as shown in the diagram.



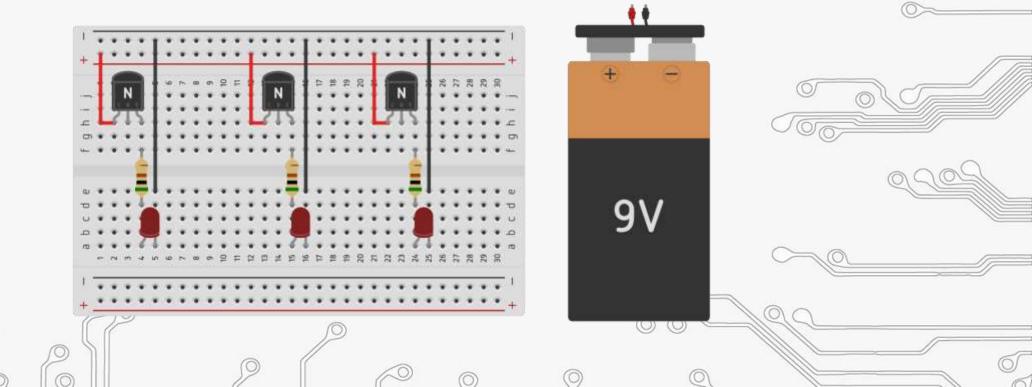


 Connect cathode(-) terminal of each LED to the (-) power rail of øbreadboard.



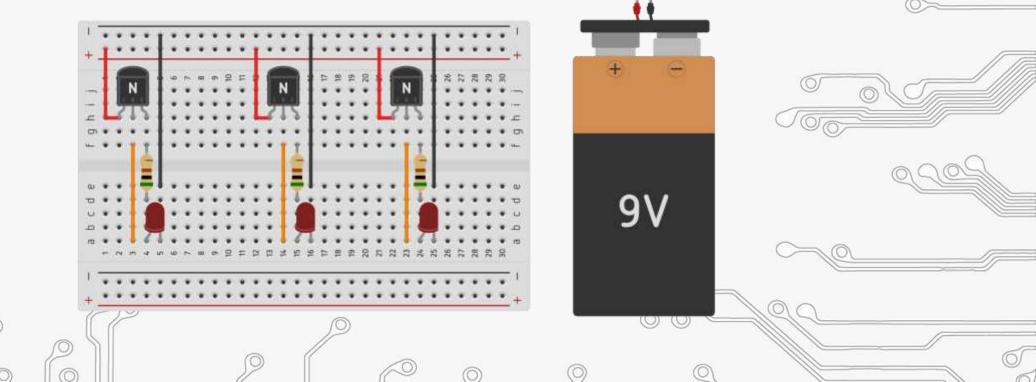


• Connect collector terminal of each transistor to the positive(+) power rail soft breadboard.



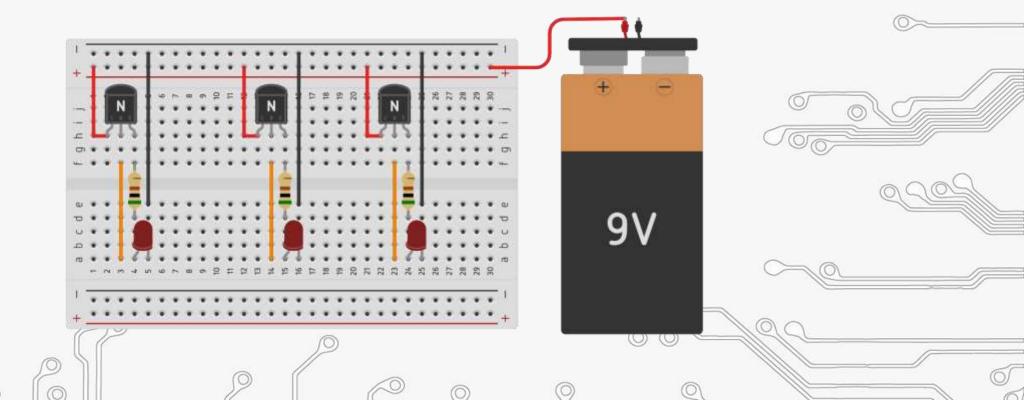


• Connect wires for level detection at base terminal of each transistor.



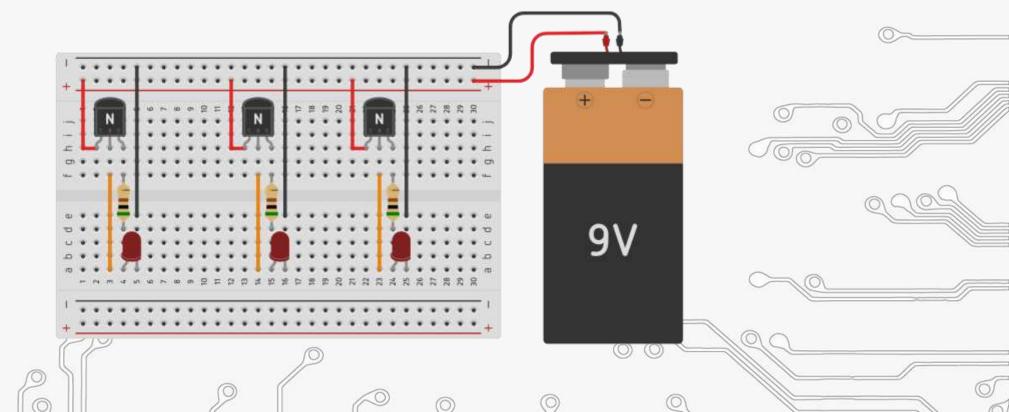


• Connect anode (+) terminal of battery to positive (+) power rail of \_\_breadboard.



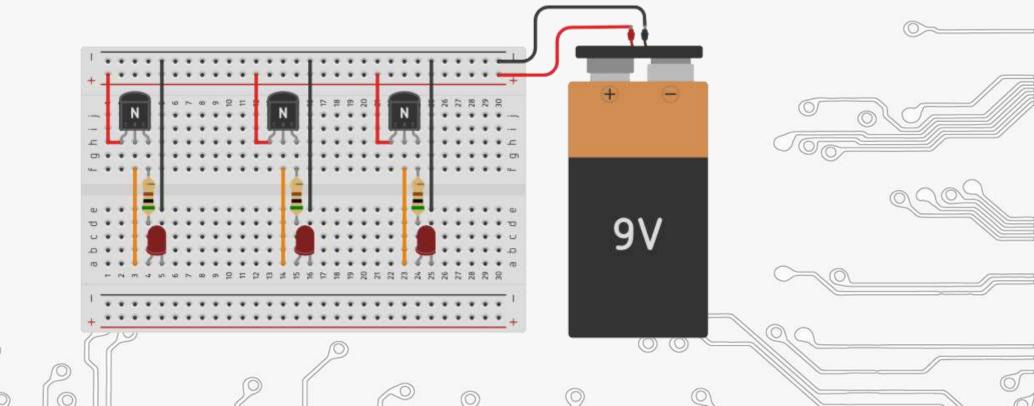


• Connect cathode (-) terminal of battery to negative (-) power rail of \_\_breadboard.





• Make sure your connections are made as per the diagram.





# Data & Outcomes

Learning from the activity



How many transistors used?



• Using multiple BC548 transistor for water level detection.



# Assessment



# Thank you