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recap

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Melody Generator

Melody generator using BT66 IC

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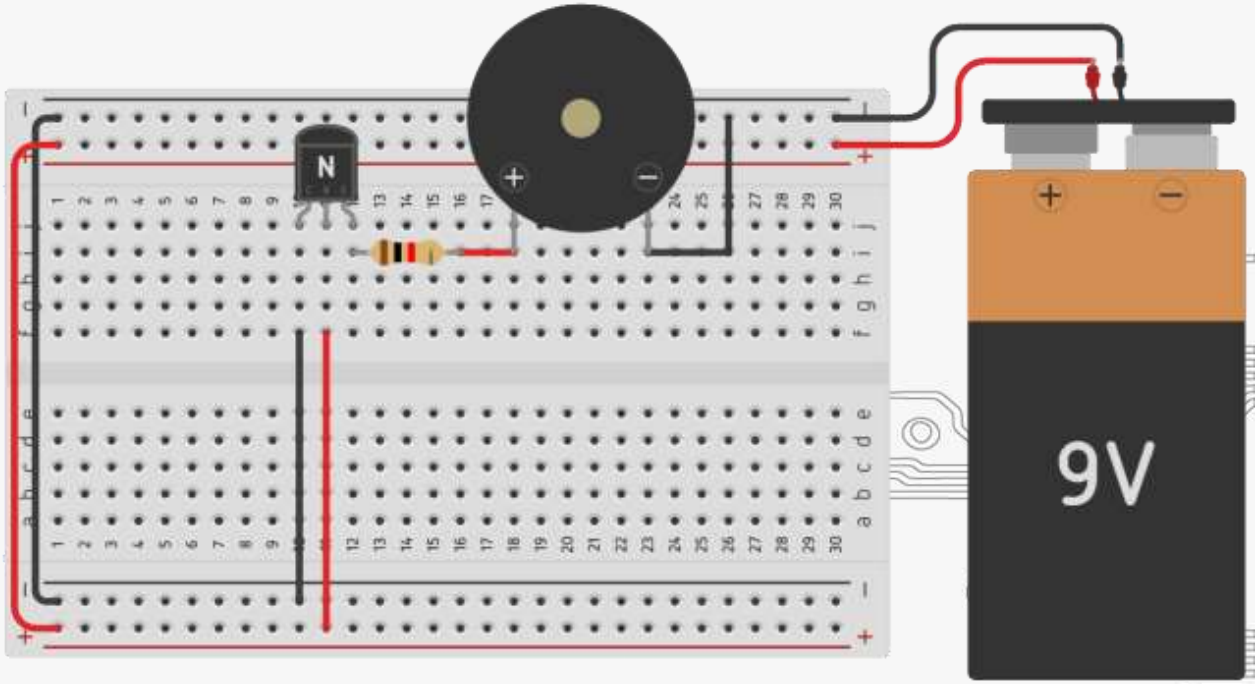
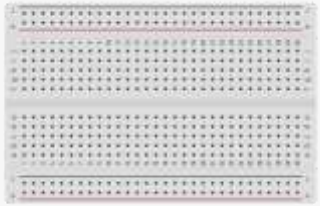
Introduction

Melody generator using BT66IC



Required Components

- Breadboard
- Buzzer
- BT66 IC
- Resistor
- Snap Connector
- Jumper Wires
- Battery 9v



Breadboard

Buzzer

BT66 IC

Resistor

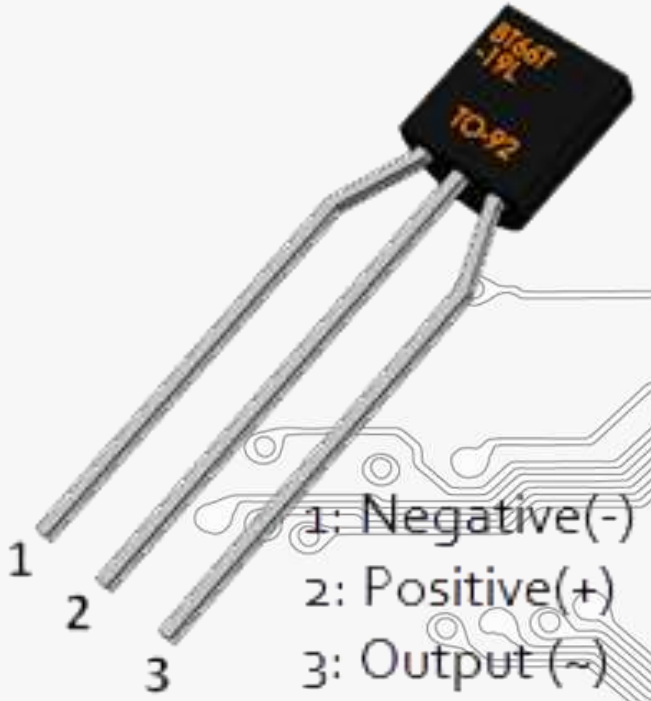
Snap Connector

Jumper Wires

Battery 9v

BT66 IC

- The BT66T is an easy to use 3 terminal Melody generator IC.
- This IC is easy to use because it can work on low voltage (0.3V to 3.5V) and consumes very little current (1uA) during operation.
- It's applications are:
  - Used to play melody
  - Make project more attractive using sound
  - Notify users through a melody
  - Used in Toys, Calling Bells, Alarms, etc.



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Procedure

Connection Steps

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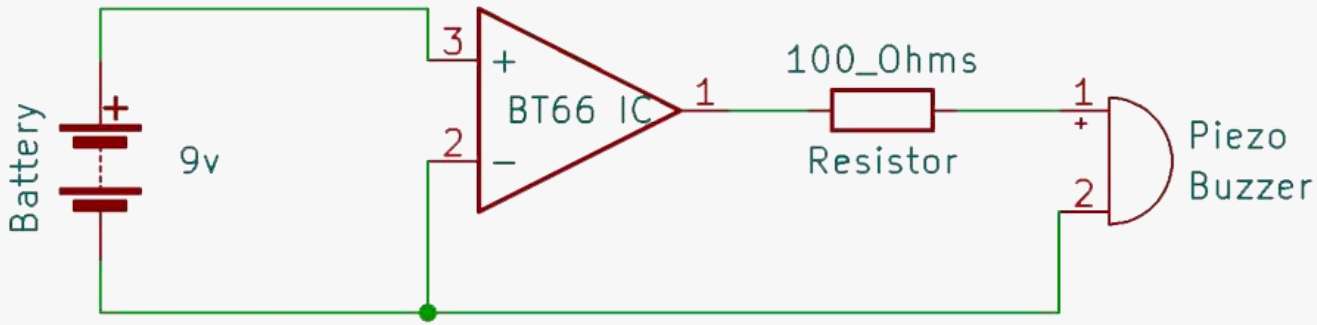
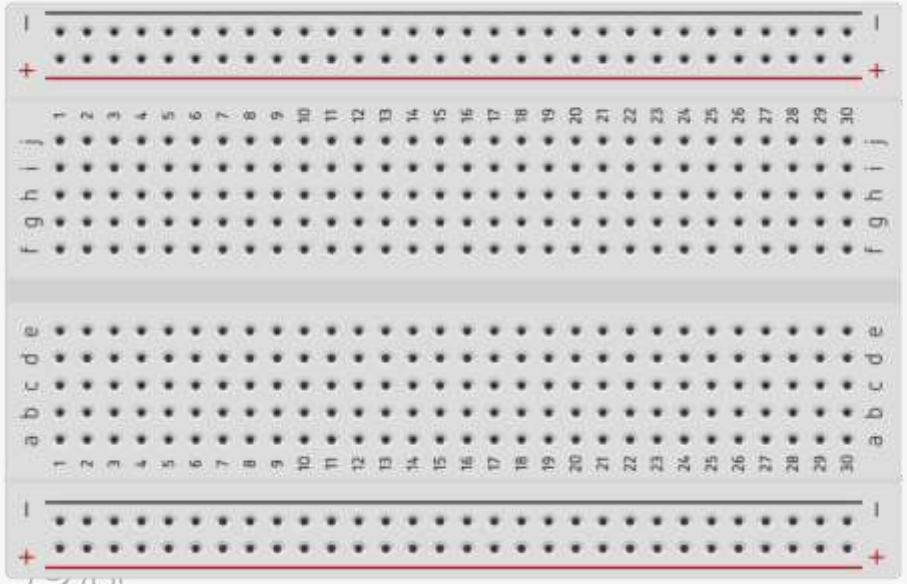
Circuit diagram



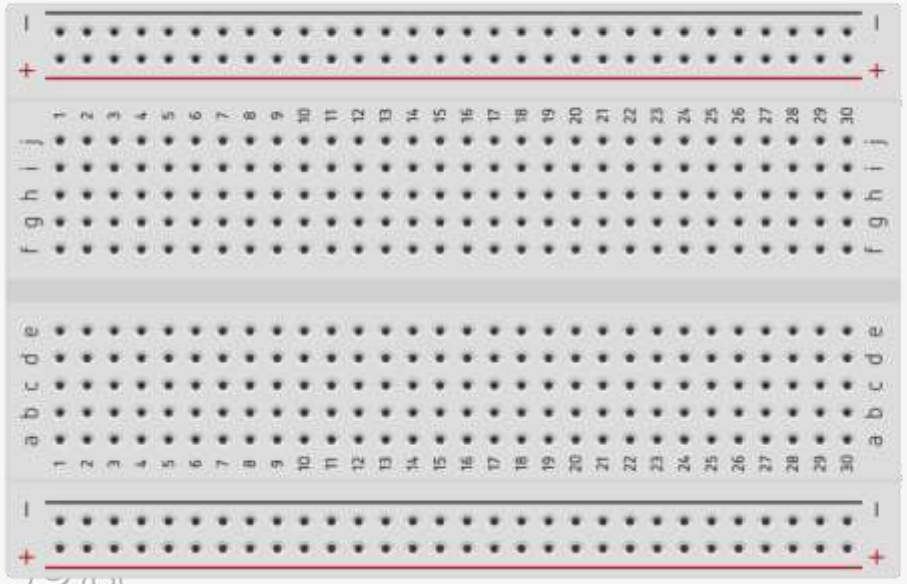
Connection Step 1

- Place breadboard



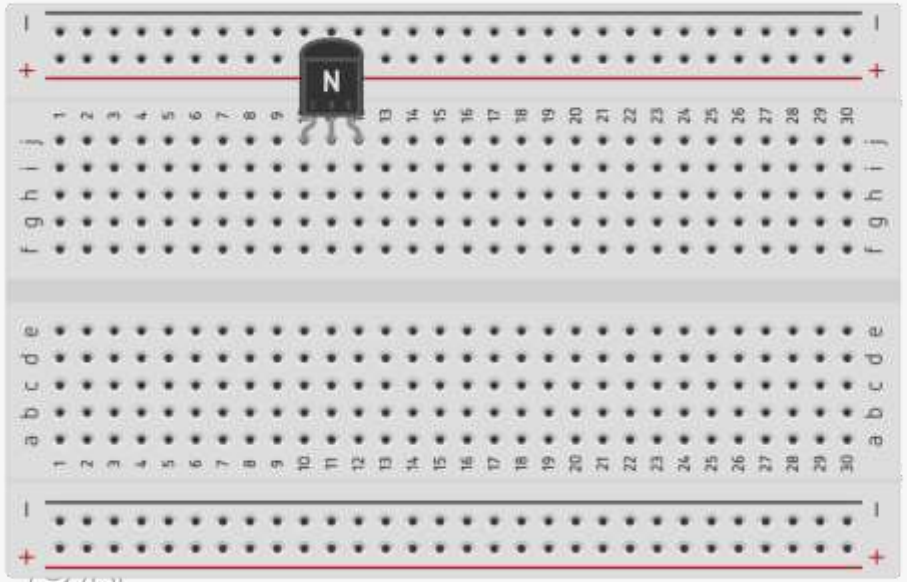
Connection Step 2

- Connect snap connector to 9v battery and keep it aside



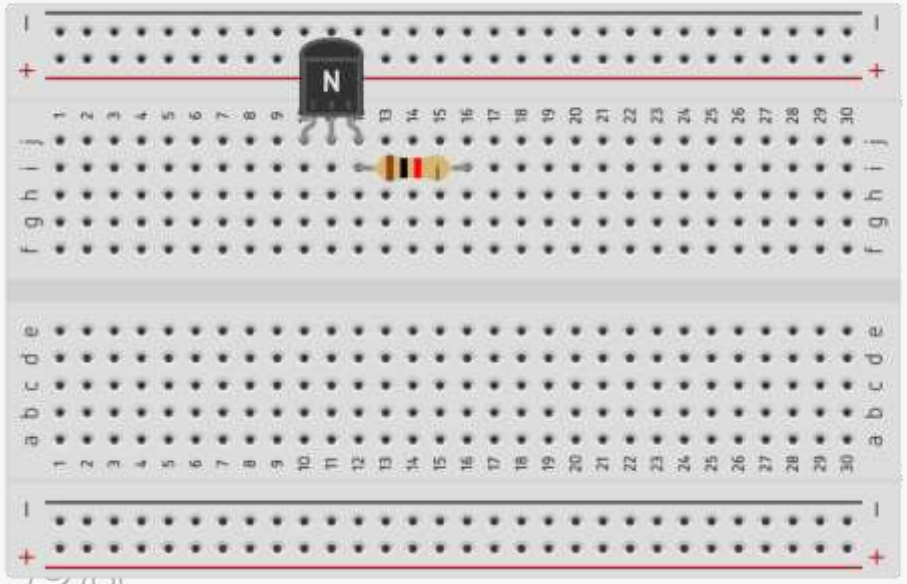
Connection Step 3

- Insert BT66 IC in breadboard



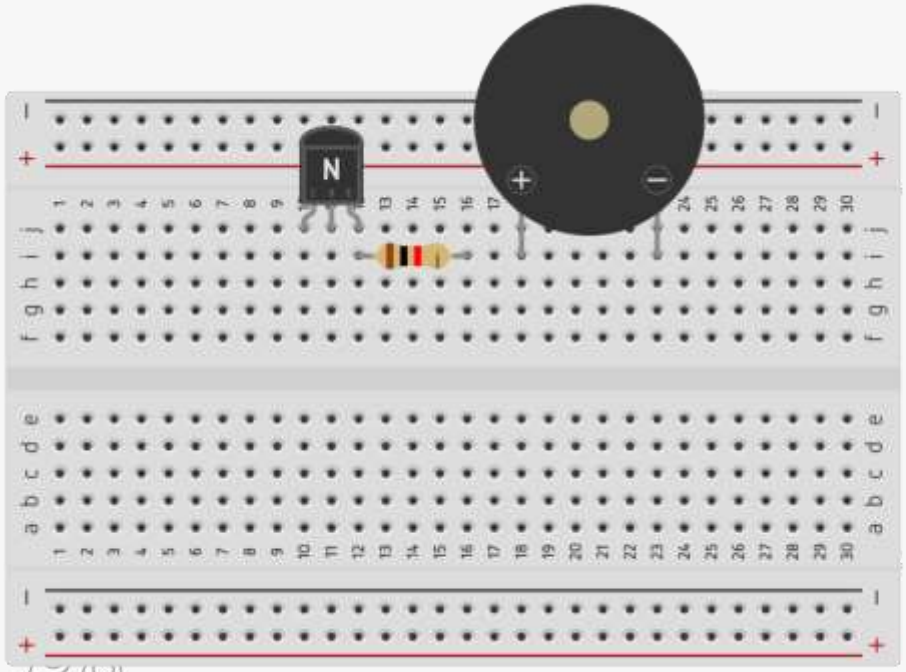
Connection Step 4

- Insert resistor to the output terminal of the IC as shown in the connection diagram.



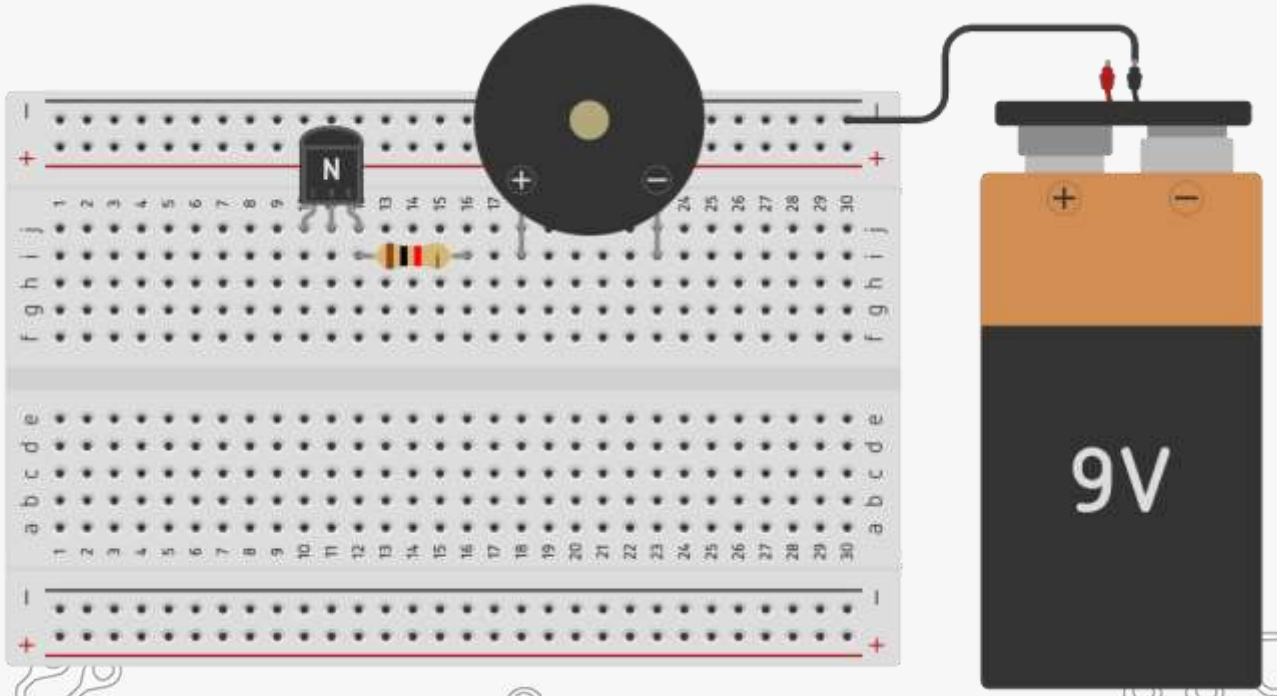
Connection Step 5

- Insert buzzer in the breadboard.



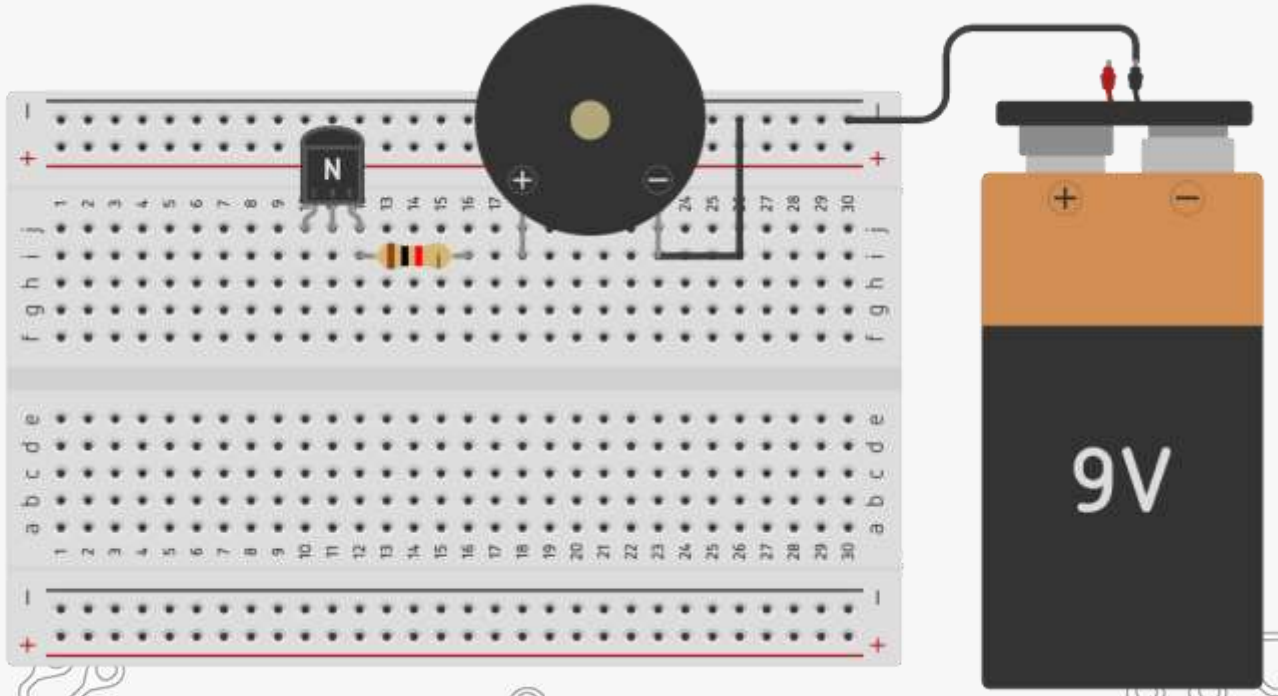
Connection Step 6

- Connect cathode(-) terminal of battery to (-) power rail of breadboard.



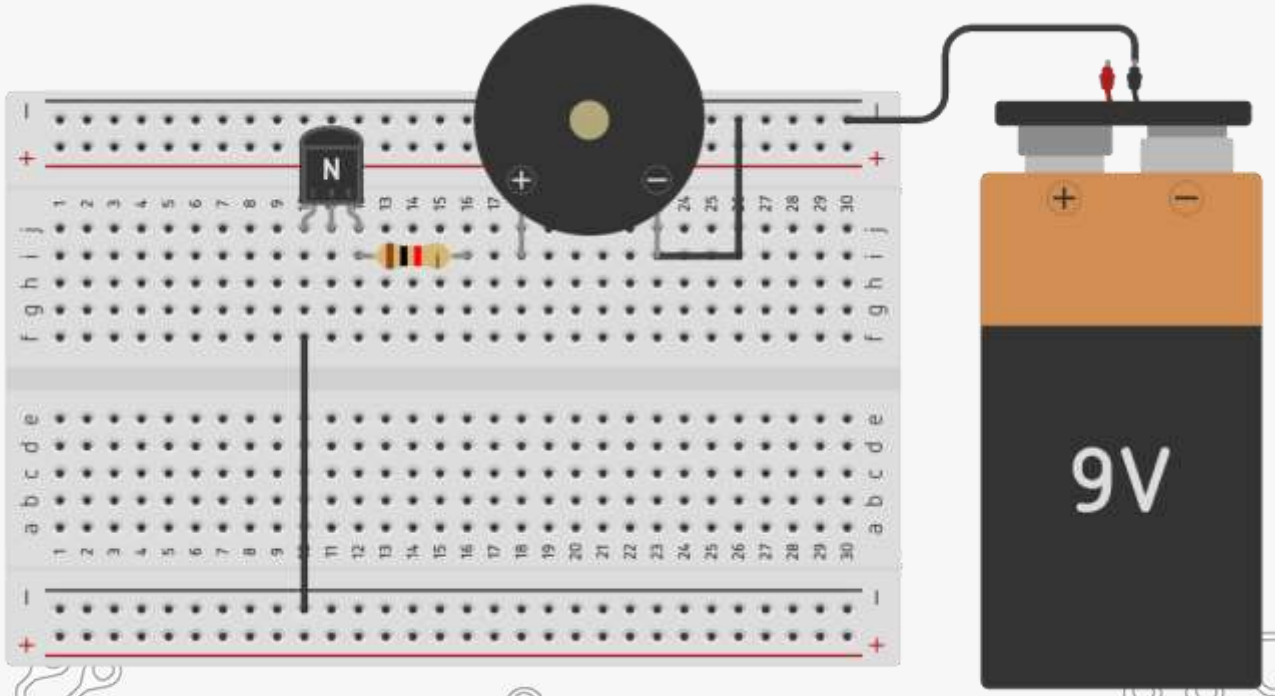
Connection Step 7

- Connect cathode(-) terminal of buzzer to the (-) power rail of breadboard.



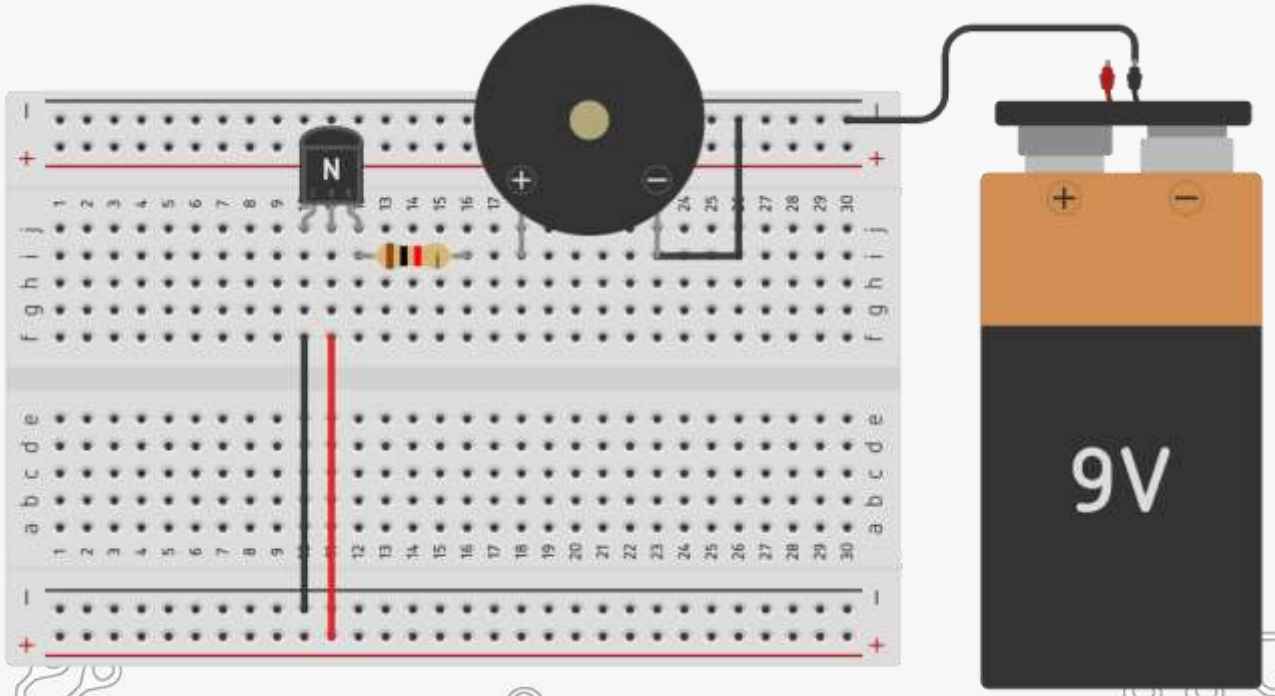
Connection Step 8

- Connect cathode(-) terminal of IC to (-) power rail of breadboard.



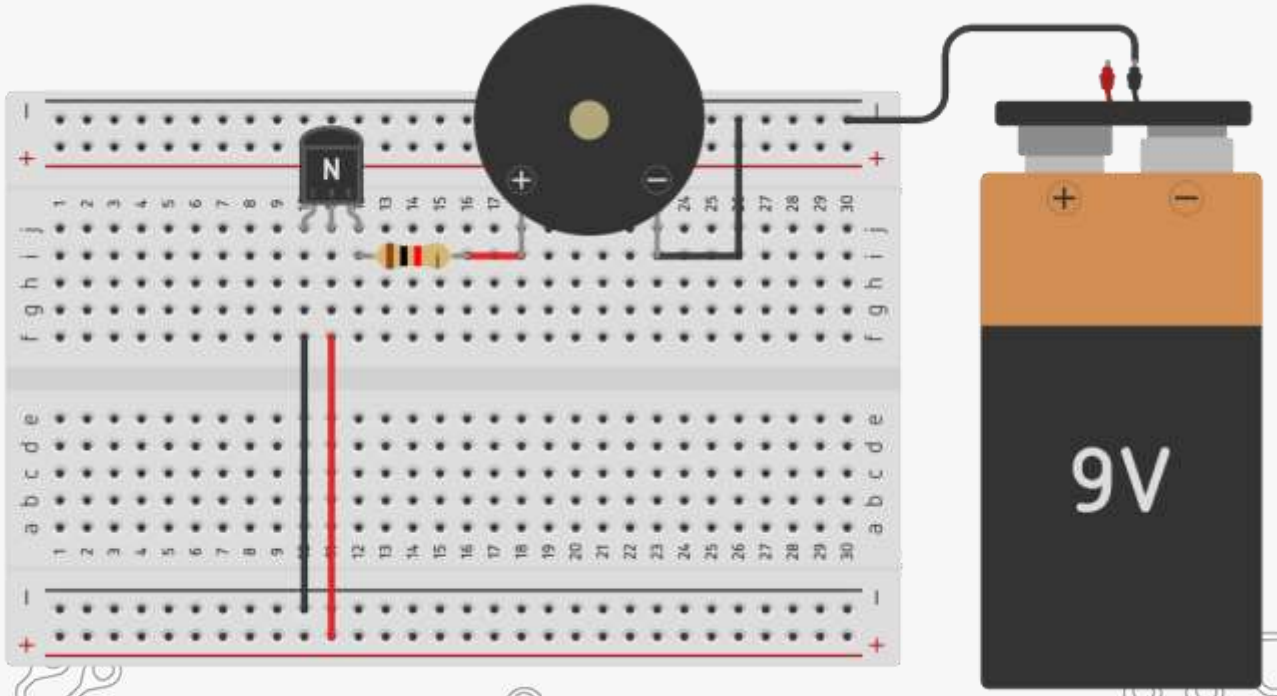
Connection Step 9

- Connect anode(+) terminal of IC to (+) power rail of breadboard.



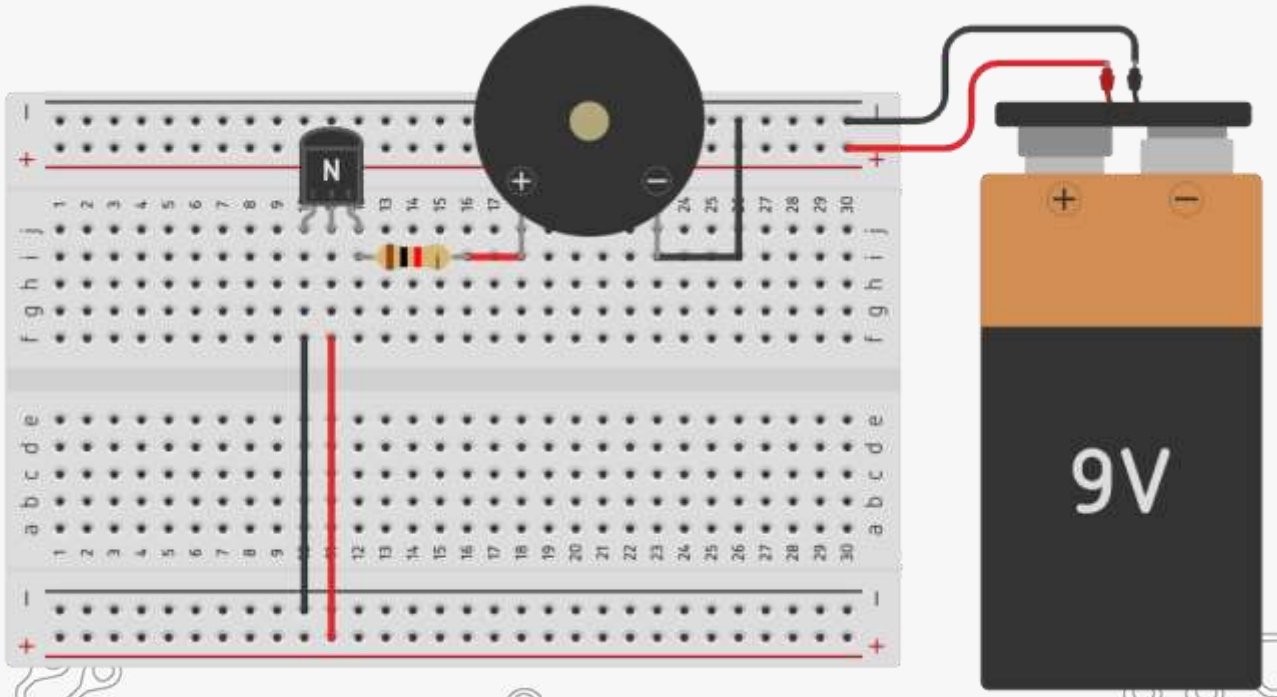
Connection Step 10

- Connect open terminal of resistor to anode (+) pin of buzzer.



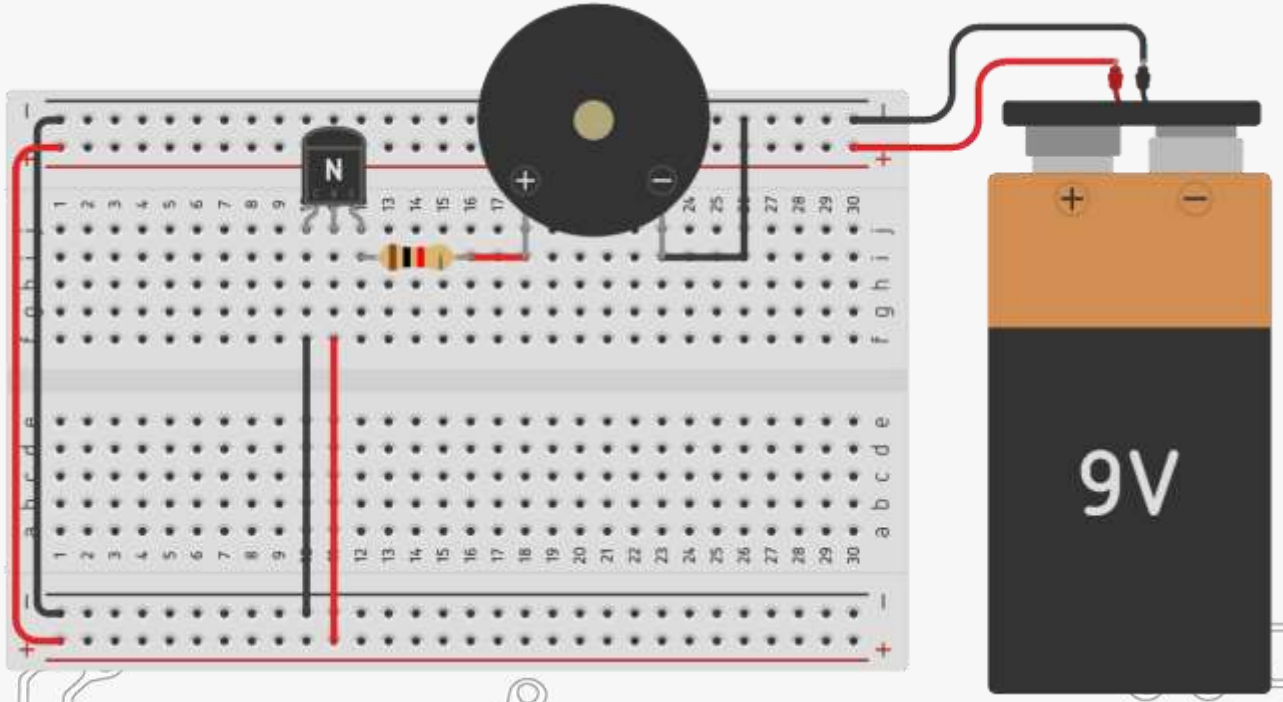
Connection Step 11

- Connect anode(+) terminal of battery to (+) power rail of breadboard.



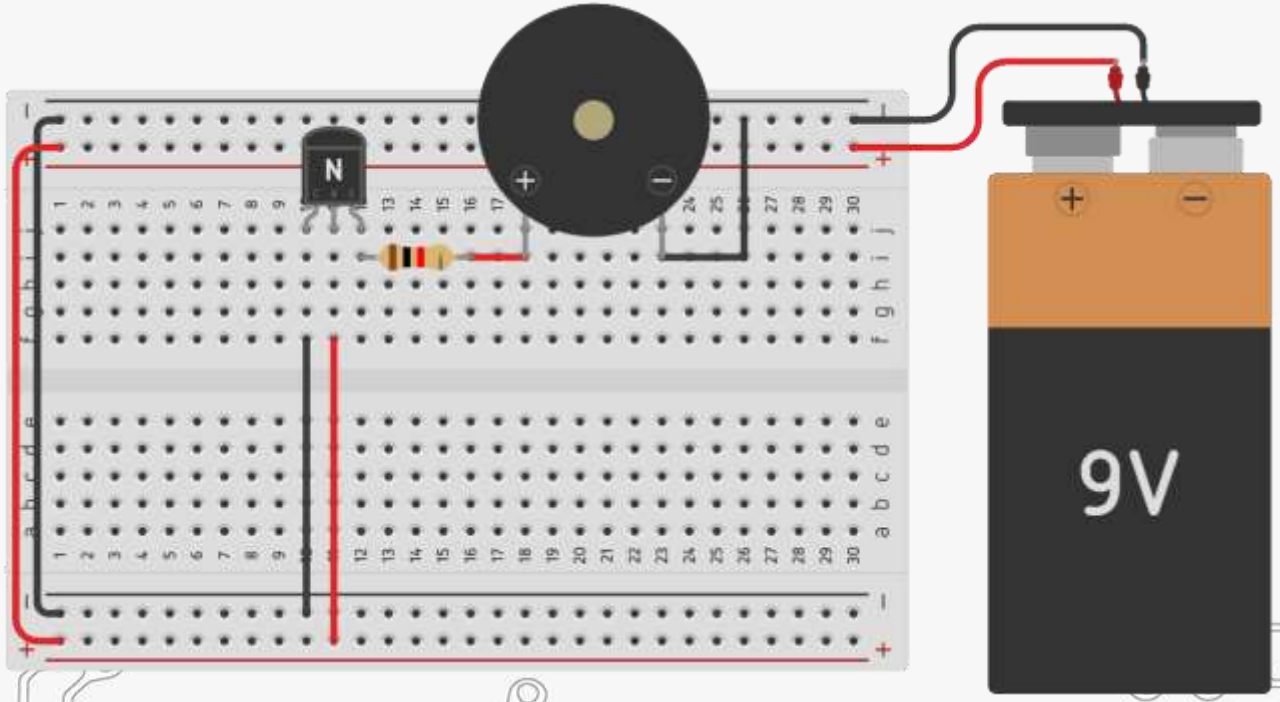
Connection Step 12

- Connect upper power rail of breadboard to lower power rail by connecting (+) to (+) and (-) to (-) rails as shown in the figure.



Connection Diagram

- Make sure your connections are made as per the diagram



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Data & Outcomes

Learning from the activity

Data

- Use BT66 IC
- Melody generation

Learning from the activity

- Using BT66 IC for melody generation.

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Assessment

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Thank you