

## Project Description:

This project uses an **Arduino Uno**, **8 pushbuttons**, and a **piezo buzzer** to create a simple piano. Each button is assigned a different frequency, producing a distinct musical note when pressed.

## Components Used:

- **Arduino Uno**
- **8 Pushbuttons** (connected to digital pins **2 to 9**)
- **Piezo Buzzer** (connected to **pin 13**)
- **Resistors (if needed)** for pull-downs or using internal pull-ups

## How It Works:

- Each **pushbutton** is connected to a digital pin.
- When a button is **pressed**, the corresponding frequency is played on the **buzzer** using the `tone()` function.
- The `tone(pin, frequency, duration)` function generates the sound with a **specific frequency and duration**.
- A **small delay** prevents button press misreads.