```cpp
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const int buttonPins[8] = {2, 3, 4, 5, 6, 7, 8, 9}; // Button inputs
const int frequencies[8] = {300, 400, 500, 600, 700, 800, 900, 1000}; // Frequencies for each
button
const int speakerPin = 10; // Speaker output

void setup() {
   for (int i = 0; i < 8; i++) {
      pinMode(buttonPins[i], INPUT_PULLUP); // Set button pins as input with internal pull-up
   }
   pinMode(speakerPin, OUTPUT);
}

void loop() {
   int totalFreq = 0;
   bool keyPressed = false;

   for (int i = 0; i < 8; i++) {
      if (digitalRead(buttonPins[i]) == LOW) { // Button is pressed
         totalFreq += frequencies[i];
         keyPressed = true;
      }
   }

   if (keyPressed) {
      tone(speakerPin, totalFreq); // Play combined frequency tone
      delay(20); // Maintain tone for 20ms if key is momentarily pressed
   } else {
      noTone(speakerPin); // Stop sound if no key is pressed
   }
}
```