```
Código del programa.
int PIEZO = A1;
int analogPin=A0;
  int BUTTON C = 0;
  int BUTTON D = 1;
  int BUTTON E = 2;
  int BUTTON F = 3;
  int BUTTON G = 4;
  int BUTTON A = 5;
  int BUTTON_B = 6;
  int BUTTON C2 = 7;
  int BUTTON D2 = 8;
  int BUTTON E2 = 9;
  int BUTTON F2 = 10;
  int BUTTON_G2 = 11;
  int BUTTON A2 = 12;
  int BUTTON B2 = 13;
int potValor = 0;
int volValor = 0;
int speed =50;
  void setup()
  Serial.begin(4800);
    for (int i = 0; i <= 13; i++)
      pinMode(i, INPUT PULLUP);
      pinMode(PIEZO, OUTPUT);
     pinMode(analogPin, INPUT);
    }
void bep(int note, int time) {
  potValor = analogRead(analogPin);
  volValor = map(potValor, 0, 1023, 0, note);
  Serial.println(volValor);
  tone(PIEZO, volValor, time);
  delay(50);
}
  void loop()
     while(digitalRead(BUTTON C) == LOW)
      tone (PIEZO, 262, 100);
     bep(200, speed);
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while(digitalRead(BUTTON D) == LOW)
   tone(PIEZO, 294, 100);
bep (250, speed);
  while(digitalRead(BUTTON E) == LOW)
    tone(PIEZO, 330, 100);
   bep(300, speed);
  while(digitalRead(BUTTON F) == LOW)
   tone(PIEZO, 349, 100);
   bep(350, speed);
  while(digitalRead(BUTTON G) == LOW)
   tone(PIEZO, 392, 100);
   bep(400, speed);
  while(digitalRead(BUTTON A) == LOW)
   tone (PIEZO, 440, 100);
   bep(450, speed);
  while(digitalRead(BUTTON B) == LOW)
    tone(PIEZO, 494, 100);
    bep (500, speed);
  while(digitalRead(BUTTON C2) == LOW)
    tone(PIEZO, 523, 100);
   bep(550, speed);
  while(digitalRead(BUTTON D2) == LOW)
   tone (PIEZO, 552, 100);
   bep(600, speed);
  while(digitalRead(BUTTON E2) == LOW)
    tone(PIEZO, 581, 100);
    bep(650, speed);
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}
    while(digitalRead(BUTTON F2) == LOW)
      tone(PIEZO, 610, 100);
      bep(700, speed);
    while(digitalRead(BUTTON G2) == LOW)
      tone(PIEZO, 639, 100);
     bep(750, speed);
    while(digitalRead(BUTTON A2) == LOW)
      tone (PIEZO, 668, 100);
     bep(800, speed);
    while(digitalRead(BUTTON B2) == LOW)
     tone(PIEZO, 697, 100);
      bep(850, speed);
   noTone (PIEZO);
  }
int PIEZO = A1;
int analogPin=A0;
 int BUTTON C = 0;
  int BUTTON D = 1;
  int BUTTON E = 2;
  int BUTTON F = 3;
  int BUTTON G = 4;
  int BUTTON A = 5;
  int BUTTON B = 6;
  int BUTTON C2 = 7;
  int BUTTON D2 = 8;
  int BUTTON E2 = 9;
  int BUTTON F2 = 10;
  int BUTTON G2 = 11;
  int BUTTON A2 = 12;
  int BUTTON B2 = 13;
```

```
int potValor = 0;
int volValor = 0;
int speed = 100;
 void setup()
  Serial.begin(4800);
    for(int i = 0; i <= 13; i++)
      pinMode(i, INPUT PULLUP);
      pinMode (PIEZO, OUTPUT);
     pinMode(analogPin, INPUT);
    }
void bep(int note, int time) {
  potValor = analogRead(analogPin);
  volValor = map(potValor, 0, 1023, 0, note);
  Serial.println(volValor);
  tone (PIEZO, volValor, time);
  delay(25);
}
  void loop()
     while(digitalRead(BUTTON C) == LOW)
    {
          bep(262, speed);
    while(digitalRead(BUTTON D) == LOW)
      bep(294, speed);
    while(digitalRead(BUTTON E) == LOW)
      bep(330, speed);
    while(digitalRead(BUTTON F) == LOW)
      bep(349, speed);
    }
    while(digitalRead(BUTTON G) == LOW)
      bep(392, speed);
```

```
while(digitalRead(BUTTON A) == LOW)
 bep(440, speed);
while(digitalRead(BUTTON B) == LOW)
 bep(494, speed);
while(digitalRead(BUTTON C2) == LOW)
 bep(523, speed);
while(digitalRead(BUTTON D2) == LOW)
 bep(587, speed);
while(digitalRead(BUTTON_E2) == LOW)
 bep(659, speed);
while(digitalRead(BUTTON F2) == LOW)
 bep(698, speed);
while(digitalRead(BUTTON G2) == LOW)
 bep(767, speed);
while(digitalRead(BUTTON A2) == LOW)
 bep(810, speed);
while(digitalRead(BUTTON_B2) == LOW)
 bep (928, speed);
noTone (PIEZO);
```

}