

```
// Can be moved in header file i.e notes.h
#define ARRAY_LEN(array) (sizeof(array) / sizeof(array[0]))
#define E4 330
#define C4 262
#define G4 392
#define G3 196
#define E3 165
#define A3 220
#define B3 247
#define Ab3 233
#define A4 440
#define F4 349
#define D4 294
#define Fb4 370
#define Db4 311
#define Gb3 208
#define C5 523
```

```
int BOTON;
```

```
const int midi1[299][3] = {
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};

```

```

void playMidi(int pin, const int notes[][3], size_t len){
    for (int i = 0; i < len; i++) {

```

```
tone(pin, notes[i][0]);  
delay(notes[i][1]);  
noTone(pin);  
delay(notes[i][2]);  
}  
}  
// Generated using https://github.com/ShivamJoker/MIDI-to-Arduino
```

```
// main.ino or main.cpp  
void setup() {  
  // put your setup code here, to run once:  
  // play midi by passing pin no., midi, midi len  
  //playMidi(8, midi1, ARRAY_LEN(midi1));  
  pinMode(9,INPUT);  
}
```

```
void loop() {  
  BOTON = digitalRead(9);  
  if (BOTON == 1) {  
    playMidi(8, midi1, ARRAY_LEN(midi1));  
  }  
  
  else {  
    digitalWrite(8, LOW);  
  }  
  delay(10);  
}
```