

Circuit design Terrific J... x 1700877025569-Práctica 1... x Cream and Green Illustrati... x Tarea x WhatsApp x ChatGPT x

tinkercad.com/things/fhgHMgnm0Hf-terrificjaban-juttuli/edit#

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Terrific Jaban-Juttuli

Simulator time: 00:00:11

Code Stop Simulation Send To

1 (Arduino Uno R3)

```
1 const unsigned int PIN_ZUM = 9;
2
3 void setup() {
4   pinMode(PIN_ZUM, OUTPUT);
5 }
6 void loop() {
7   tone(PIN_ZUM, 1000);
8   delay (1000);
9
10
11   noTone(PIN_ZUM);
12   delay(1000);
13 }
14
```

How the debugger works

1. Add breakpoints by clicking on the line numbers.
2. Hover over the variables while paused to see their value.
3. Use the buttons above to resume simulation or step one line at a time.

Serial Monitor

Send Clear

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9:24 AM 11/27/2023

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Terrific Jaban-Juttuli

Simulator time: 00:00:03

Code Stop Simulation Send To

Start / stop simulation

```
1 const unsigned int PIN_2UM = 9;
2 const int nTonos = 10;
3 const int tonos[] = {261, 279, 297, 314, 332, 350, 368, 386, 404, 422, 440, 458, 476, 494, 512, 530, 548, 566, 584, 602, 620, 638, 656, 674, 692, 710, 728, 746, 764, 782, 800, 818, 836, 854, 872, 890, 908, 926, 944, 962, 980, 998, 1016, 1034, 1052, 1070, 1088, 1106, 1124, 1142, 1160, 1178, 1196, 1214, 1232, 1250, 1268, 1286, 1304, 1322, 1340, 1358, 1376, 1394, 1412, 1430, 1448, 1466, 1484, 1502, 1520, 1538, 1556, 1574, 1592, 1610, 1628, 1646, 1664, 1682, 1700, 1718, 1736, 1754, 1772, 1790, 1808, 1826, 1844, 1862, 1880, 1898, 1916, 1934, 1952, 1970, 1988, 2006, 2024, 2042, 2060, 2078, 2096, 2114, 2132, 2150, 2168, 2186, 2204, 2222, 2240, 2258, 2276, 2294, 2312, 2330, 2348, 2366, 2384, 2402, 2420, 2438, 2456, 2474, 2492, 2510, 2528, 2546, 2564, 2582, 2600, 2618, 2636, 2654, 2672, 2690, 2708, 2726, 2744, 2762, 2780, 2798, 2816, 2834, 2852, 2870, 2888, 2906, 2924, 2942, 2960, 2978, 2996, 3014, 3032, 3050, 3068, 3086, 3104, 3122, 3140, 3158, 3176, 3194, 3212, 3230, 3248, 3266, 3284, 3302, 3320, 3338, 3356, 3374, 3392, 3410, 3428, 3446, 3464, 3482, 3500, 3518, 3536, 3554, 3572, 3590, 3608, 3626, 3644, 3662, 3680, 3698, 3716, 3734, 3752, 3770, 3788, 3806, 3824, 3842, 3860, 3878, 3896, 3914, 3932, 3950, 3968, 3986, 4004, 4022, 4040, 4058, 4076, 4094, 4112, 4130, 4148, 4166, 4184, 4202, 4220, 4238, 4256, 4274, 4292, 4310, 4328, 4346, 4364, 4382, 4400, 4418, 4436, 4454, 4472, 4490, 4508, 4526, 4544, 4562, 4580, 4598, 4616, 4634, 4652, 4670, 4688, 4706, 4724, 4742, 4760, 4778, 4796, 4814, 4832, 4850, 4868, 4886, 4904, 4922, 4940, 4958, 4976, 4994, 5012, 5030, 5048, 5066, 5084, 5102, 5120, 5138, 5156, 5174, 5192, 5210, 5228, 5246, 5264, 5282, 5300, 5318, 5336, 5354, 5372, 5390, 5408, 5426, 5444, 5462, 5480, 5498, 5516, 5534, 5552, 5570, 5588, 5606, 5624, 5642, 5660, 5678, 5696, 5714, 5732, 5750, 5768, 5786, 5804, 5822, 5840, 5858, 5876, 5894, 5912, 5930, 5948, 5966, 5984, 6002, 6020, 6038, 6056, 6074, 6092, 6110, 6128, 6146, 6164, 6182, 6200, 6218, 6236, 6254, 6272, 6290, 6308, 6326, 6344, 6362, 6380, 6398, 6416, 6434, 6452, 6470, 6488, 6506, 6524, 6542, 6560, 6578, 6596, 6614, 6632, 6650, 6668, 6686, 6704, 6722, 6740, 6758, 6776, 6794, 6812, 6830, 6848, 6866, 6884, 6902, 6920, 6938, 6956, 6974, 6992, 7010, 7028, 7046, 7064, 7082, 7100, 7118, 7136, 7154, 7172, 7190, 7208, 7226, 7244, 7262, 7280, 7298, 7316, 7334, 7352, 7370, 7388, 7406, 7424, 7442, 7460, 7478, 7496, 7514, 7532, 7550, 7568, 7586, 7604, 7622, 7640, 7658, 7676, 7694, 7712, 7730, 7748, 7766, 7784, 7802, 7820, 7838, 7856, 7874, 7892, 7910, 7928, 7946, 7964, 7982, 8000, 8018, 8036, 8054, 8072, 8090, 8108, 8126, 8144, 8162, 8180, 8198, 8216, 8234, 8252, 8270, 8288, 8306, 8324, 8342, 8360, 8378, 8396, 8414, 8432, 8450, 8468, 8486, 8504, 8522, 8540, 8558, 8576, 8594, 8612, 8630, 8648, 8666, 8684, 8702, 8720, 8738, 8756, 8774, 8792, 8810, 8828, 8846, 8864, 8882, 8900, 8918, 8936, 8954, 8972, 8990, 9008, 9026, 9044, 9062, 9080, 9098, 9116, 9134, 9152, 9170, 9188, 9206, 9224, 9242, 9260, 9278, 9296, 9314, 9332, 9350, 9368, 9386, 9404, 9422, 9440, 9458, 9476, 9494, 9512, 9530, 9548, 9566, 9584, 9602, 9620, 9638, 9656, 9674, 9692, 9710, 9728, 9746, 9764, 9782, 9800, 9818, 9836, 9854, 9872, 9890, 9908, 9926, 9944, 9962, 9980, 10000};
4
5
6 void setup() {
7   pinMode(PIN_2UM, OUTPUT);
8 }
9 void loop() {
10  for (int tono = 0; tono < nTonos; tono++) {
11    tone(PIN_2UM, tonos[tono]);
12    delay (1000);
13  }
14
15  noTone(PIN_2UM);
16  delay(1000);
17 }
18
```

How the debugger works

1. Add breakpoints by clicking on the line numbers.
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Serial Monitor

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