

```
1 % this holds the frequenci of all the piano notes
2 % INPUT:
3 % n: the index into the piano of the frequency you want, in Hz
4 function f = notes(n)
5
6 % the frequencies of keys 1 to 88 on a piano
7 piano = [27.5000,
8 29.1353,
9 30.8677,
10 32.7032,
11 34.6479,
12 36.7081,
13 38.8909,
14 41.2035,
15 43.6536,
16 46.2493,
17 48.9995,
18 51.9130,
19 55.0000,
20 58.2705,
21 61.7354,
22 65.4064,
23 69.2957,
24 73.4162,
25 77.7817,
26 82.4069,
27 87.3071,
28 92.4986,
29 97.9989,
30 103.826,
31 110.000,
32 116.541,
33 123.471,
34 130.813,
35 138.591,
36 146.832,
37 155.563,
38 164.814,
39 174.614,
40 184.997,
41 195.998,
42 207.652,
43 220.000,
44 233.082,
45 246.942,
46 261.626,
47 277.183,
48 293.665,
49 311.127,
50 329.628,
51 349.228,
```

```
52 369.994,  
53 391.995,  
54 415.305,  
55 440.000,  
56 466.164,  
57 493.883,  
58 523.251,  
59 554.365,  
60 587.330,  
61 622.254,  
62 659.255,  
63 698.456,  
64 739.989,  
65 783.991,  
66 830.609,  
67 880.000,  
68 932.328,  
69 987.767,  
70 1046.50,  
71 1108.73,  
72 1174.66,  
73 1244.51,  
74 1318.51,  
75 1396.91,  
76 1479.98,  
77 1567.98,  
78 1661.22,  
79 1760.00,  
80 1864.66,  
81 1975.53,  
82 2093.00,  
83 2217.46,  
84 2349.32,  
85 2489.02,  
86 2637.02,  
87 2793.83,  
88 2959.96,  
89 3135.96,  
90 3322.44,  
91 3520.00,  
92 3729.31,  
93 3951.07,  
94 4186.01];  
95  
96 f = piano(n);  
97
```