DigiTech Music (Code)

CROTCHET = 0.5

MINUM = 2 \* CROTCHET

SEMIBREVE = 4 \* CROTCHET

OCTAVE = '4'

NOTE\_LENGTHS = {

'C': CROTCHET,

'M': MINUM,

'S': SEMIBREVE

}

input\_song = 'E/C D/C C/C D/C E/C E/C E/M D/C D/C D/M E/C G/C G/M E/C D/C C/C D/C E/C E/C E/C E/C D/C D/C E/C D/C C/S'

output\_song = []

# Break up the string into each note

for note in input\_song.split(' '):

output\_song.append(note.split('/'))

# Attach the octave to the tone

for note in output\_song:

note[0] += OCTAVE

# Translate the string to the true values

for note in output\_song:

note[0] = NOTES[note[0]]

note[1] = NOTE\_LENGTHS[note[1]]

# Play the song

for note in output\_song:

Sounds.playNote(note[0])

delay(note[1])

MARY HAD A LITTLE LAMB NOTE LIST:

Ode to Joy:

CROTCHET = 0.5

BREVE = 0.5 \* CROTCHET

MINUM = 2 \* CROTCHET

OCTAVE = '4'

NOTE\_LENGTHS = {

'B': BREVE,

'C': CROTCHET,

'M': MINUM,

}

input\_song = 'E/C E/C F/C G/C G/C F/C E/C D/C C/C C/C D/C E/C E/C D/C D/M E/C E/C F/C G/C G/C F/C E/C D/C C/C C/C D/C E/C D/C C/C C/M D/C D/C E/C C/C D/C E/B F/B E/C C/C D/C E/B F/B E/C D/C C/C D/C G/M E/C E/C F/C G/C G/C F/C E/C D/C C/C C/C D/C E/C D/C C/C C/M'

output\_song = []

# Break up the string into each note

for note in input\_song.split(' '):

output\_song.append(note.split('/'))

# Attach the octave to the tone

for note in output\_song:

note[0] += OCTAVE

# Translate the string to the true values

for note in output\_song:

note[0] = NOTES[note[0]]

note[1] = NOTE\_LENGTHS[note[1]]

# Play the song

for note in output\_song:

Sounds.playNote((note[0]))

delay((note[1]))