

```
class MainClass
{
    public static void main(String [] args)
    {
        final int BASSDRUM = 35;
        final int SNARE = 38;
        final int CLOSEDHIHAT = 42;
        final int OPENHIHAT = 46;
        final int ENDOFSEQUENCE = 0;

        long timeZero;
        long ts=0;

        MidiWrapper midi = new MidiWrapper();

        double bpm=120; // quarter notes per minute
        int quarterNoteInterval = (int)(60000/bpm); // milliseconds

        ArrayList<RhythmEvent> sequence = new ArrayList<RhythmEvent>();

        sequence.add(new RhythmEvent(CLOSEDHIHAT,0) );
        sequence.add(new RhythmEvent(BASSDRUM,0) );

        sequence.add(new RhythmEvent(CLOSEDHIHAT,quarterNoteInterval) );
        sequence.add(new RhythmEvent(SNARE,quarterNoteInterval) );

        sequence.add(new RhythmEvent(SNARE,7*quarterNoteInterval/4) );

        sequence.add(new RhythmEvent(CLOSEDHIHAT,2*quarterNoteInterval) );
        sequence.add(new RhythmEvent(BASSDRUM,2*quarterNoteInterval) );

        sequence.add(new RhythmEvent(SNARE,9*quarterNoteInterval/4) );
        sequence.add(new RhythmEvent(BASSDRUM,10*quarterNoteInterval/4) );

        sequence.add(new RhythmEvent(CLOSEDHIHAT,3*quarterNoteInterval) );
        sequence.add(new RhythmEvent(SNARE,3*quarterNoteInterval) );

        sequence.add(new RhythmEvent(ENDOFSEQUENCE,4*quarterNoteInterval) );

        while(true)
        {
            timeZero = System.currentTimeMillis();
            ts=0;

            for(int i=0; i<sequence.size(); i++)
            {
                ts = sequence.get(i).getTimestamp();

                /*
                 * While it's not time to play the next event, take a short nap
                 * to relieve the processor somewhat
                 */
                while(System.currentTimeMillis() - timeZero < ts)
                {
                    midi.pause(5);
                }

                if(sequence.get(i).getNote() > 0)
                {
                    midi.playNote(sequence.get(i).getNote(),100);
                }
                else System.out.println("LOOP END");
            } // for
        } // while

    } // main()
} // MainClass{}
```