Demonstration Program

Uncommented Version

```
with_tempo 350

2.times do
  play_pattern [40,25,45,25,25,50,50]
  play_pattern [25,50,25,30,35,40,45,50]
  play_pattern [25,50,25,30,35,40,45,50].reverse
end

2.times do
  with_synth "saw_beep"
  play_pattern [25,50,25,30,35,40,45,50].shuffle
  play_pattern [25,50,25,30,35,40,45,50].reverse
end

play_pad "saws", 37

in_thread do
 with_synth "saw_beep"
 10.times do
  if rand < 0.5
    play 37
  else
    play 49
  end
  sleep 2
 end
end

in_thread do
 with_synth "pretty_bell"
 20.times do
  play 49
  sleep 1
 end
end
```

Demonstration Program

Commented Version

```
#Sonic Pi Demo Program
#Hit Play to start and Stop to finish

#Set the temp to be nice and sprightly
with_tempo 350

# Repeat the following patterns twice with the default synth
2.times do
  play_pattern [40,25,45,25,25,50,50]
  play_pattern [25,50,25,30,35,40,45,50]
  play_pattern [25,50,25,30,35,40,45,50].reverse
end

# Repeat the following patterns twice and use the saw_beep synth
2.times do
  with_synth "saw_beep"
  play_pattern [25,50,25,30,35,40,45,50].shuffle
  play_pattern [25,50,25,30,35,40,45,50].reverse
end

# Let's try multiple things at the same time...

# First, start a saws pad playing note 37
# Be sure to move a connected mouse whilst this is playing!
play_pad "saws", 3

# Next, fire up a new thread playing note 37 or
# 49 randomly 48 times with 1 second between each
# note.
in_thread do
 with_synth "saw_beep"
 10.times do
  if rand < 0.5
    play 37
  else
    play 49
  end
  sleep 2
 end
end
```

```
# Fire up another thread — note that this will be placed
# at the same time as the first thread just like two hands
# can play the piano simultaneously.
in_thread do
 with_synth "pretty_bell"
 20.times do
   play 49
   sleep 1
 end
end

# Once the threads have completed, the pad will still be
# playing until you hit the stop button.

# End of program
```