# Loops with While and For

### Goals:

Using a transistor to amplify the current.

### Parts:

* BD437 transistor, 100 Ω resistor
* Optional: potentiometer
* Speaker or buzzer

### Circuit:



### Exercises:

1. Build the circuit as shown above.
2. Toggle the port which goes to “B”. Use different frequencies for toggling.

### Sourcecode: