CMSC 143: Introduction to Object-Oriented Programming with Robots
# Assignment 1: Sing and Dance
Due September 16, 2009

The first assignment asks you to write a program to make your robot sing (well, beep!) and dance. You should write a dance routine (a function named `dance()`). Your Python program should include the following components:

1. An effectively commented program, including your name, the date, email and explanations of any complicated code. For example, the first couple of lines should look like

```
######################################################################
#
# Keith O'Hara <kohara@bard.edu>
# Sep 7 2009
#
# Assignment 1 description
#
######################################################################

def dance():
```

2. Take some input from the user (using the `raw_input` function) to determine the dance behavior (e.g. length, number of steps, tempo, key).

3. use a looping construct (recursion, `for` or `while` loops).

## Learning Objectives

- How to write functions.

- How to use loops.

- How to get input from the user.

- How to properly document a program.

## Deliverable

Submit an electronic copy of your program via moodle. It should be named:
**cmsc143-sing-and-dance-LASTNAME.py**.