Holiday Card (3x45 mins – could have been done in less but students wanted to add animation and it was the end of the semester)

This assignment was done at the very end of Introduction to CS (a 1-semester python course).

PURPOSE: To convert the students from Python to Java.

DESCRIPTION:

In this assignment you are going to use the Java programming language for the first time.  We are going to write Java programs in Processing - an Integrated Development Environment (IDE) similar to what Calico is for Python

In Java, write a program to create a holiday card/scene.  This assignment is similar to  your Kindergarten Picture assignment in Python.  You will be learning about the shape functions available to you in Processing.

You will be given two reference programs with comments to help you learn processing:

[exampleprogram.pde](https://sidwell.haikulearning.com/c/2338477/file/show/25934675)  - This program demonstrates drawing basic shapes

[exampleprogram2.pde](https://sidwell.haikulearning.com/c/2338477/file/show/25934715)  - If you want to do something more complicated (like draw snow or something) then take a look at this program which introduces Java loops, variables and random numbers.