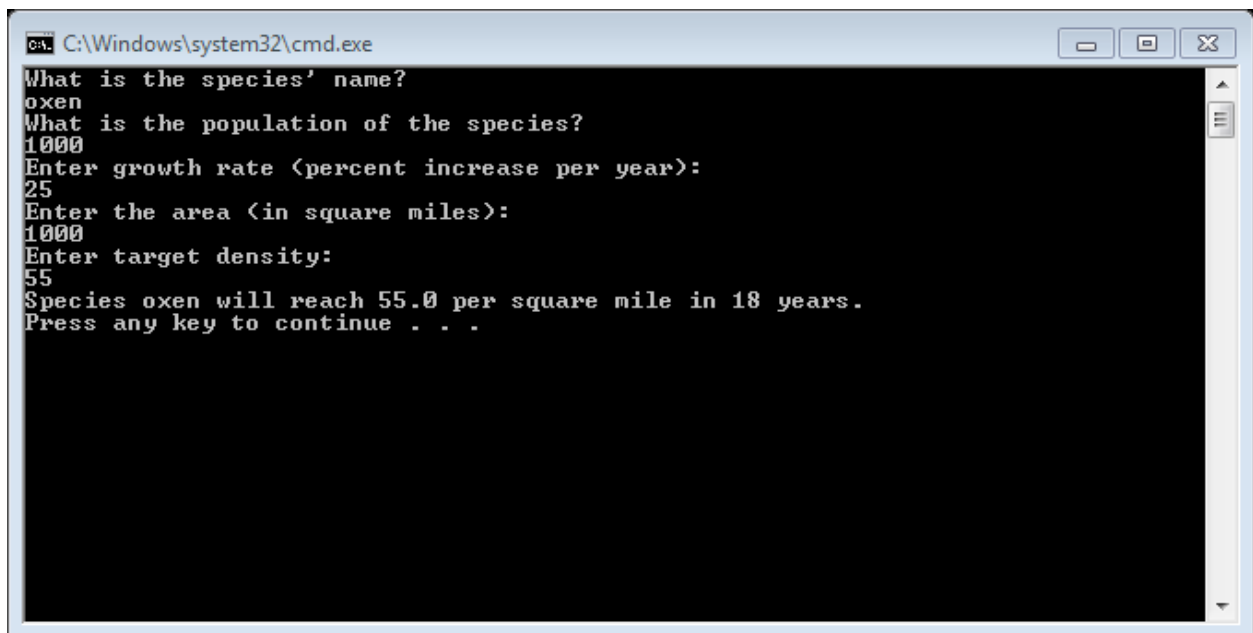# CIT 149: Java I
Chapter 5 Programming Assignment 1

Complete number 7 under programming projects on page 363. You are to use the Species class in Listing 5.19 to complete this assignment. You are to have two classes, name the first one SpeciesWithDensity, and the other Ch5PA1. When the program is run it will display as:


```
C:\Windows\system32\cmd.exe
What is the species' name?
oxen
What is the population of the species?
1000
Enter growth rate (percent increase per year):
25
Enter the area (in square miles):
1000
Enter target density:
55
Species oxen will reach 55.0 per square mile in 18 years.
Press any key to continue . . .
```

In the Species class you should have a method for determining the population. In the driver class you might have something like:

while(s1.projectedPopulation(years)/area <target)

{

years++;

}

To determine the number of years. The variables, and method name may be different in your program, so adjust these accordingly.

Compress all four files, two class files and two java files, into a single zip or rar file and submit to the appropriate drop box.