CSCI 321 Computer Science III Summer 2019

Lecture 1 Activity 1

1. (50 points) Based on the code shown in the slides, write down a class implementing a Generic Geometric Progression using inheritance and generics.

Class GenericGeo extends Progression<K>{

Protected k r;

GenericGeo(){

this(1,1);

}

GenericGeo(K a, K base){

first = a;

r = base;

}

Protected k nextValue(){

cur \*= r;

return cur;

}

}

1. (50 points) Redesign a Geometric Progression (using inheritance and generics) that takes double type values. Print out the first 10 values of the Geometric Progression you designed in Q2 with initial value = 100 and multiply factor = 0.24. Take a screenshot of your output and attach it here