**CS 4103 Advanced Java Assignment 7 12 points**

**Due: 11/10 at 5pm**

**Email your finished java file and also paste it into this Word document and send both to me at** [**harringp@nsuok.edu**](mailto:harringp@nsuok.edu)

**Chapter 21: advanced input and output**

Write a java program that writes a sequential access text file, and also a random access file containing the following data:

Kolmikko snowland 88

Tohoku JR ski ski 89

Yuki snow 87

Write the files, then read the files appropriately and print the output.

Shape, rectangle

Description automatically generated

Then read using random access on the sequential ascii file, and sequential ascii text access on the random access file. Print the results.

Rectangle

Description automatically generated with medium confidence

import java.io.\*;

import java.util.Scanner;

public class Assignment7

{

    public static void main(String[] args) {

        File file = new File("C:\\Users\\roliv\\Documents\\Homework\\Advanced Java\\Assign 7\\Sequential.txt");

        try {

            FileWriter myWriter = new FileWriter(file);

            myWriter.write("Kolmikko    snowland 88\nTohoku JR ski ski 89\nYuki snow 87");

           // myWriter.write("Tohoku    JR ski ski 89\n");

            //myWriter.write("Yuki snow 87\n");

            System.out.println("File Created");

            myWriter.close();

           Scanner myReader = new Scanner(file);

           while (myReader.hasNextLine()) {

            String data = myReader.nextLine();

            System.out.println(data);

          }

          myReader.close();

          System.out.println("--------------------------------------------------------------------------------------------------------------------");

            RandomAccessFile rand = new RandomAccessFile("C:\\Users\\roliv\\Documents\\Homework\\Advanced Java\\Assign 7\\Random.txt", "rw");

            byte[] bytes = "Kolmikko    snowland 88\nTohoku JR ski ski 89\nYuki snow 87".getBytes("UTF-8");

            rand.write(bytes);

            System.out.println("File Created");

            rand.seek(0);

            while(rand.getFilePointer() < rand.length()){

            String read = rand.readLine();

            System.out.println(read);

            }

            rand.close();

            System.out.println("--------------------------------------------------------------------------------------------------------------------");

        } catch (IOException e) {

            System.out.println(e.getMessage());

        }

        File rfile = new File("C:\\Users\\roliv\\Documents\\Homework\\Advanced Java\\Assign 7\\Random.txt");

        try {

            Scanner myScanner = new Scanner(rfile);

            while (myScanner.hasNextLine()) {

                String data = myScanner.nextLine();

                System.out.println(data);

              }

            myScanner.close();

            System.out.println("--------------------------------------------------------------------------------------------------------------------");

            RandomAccessFile sfile = new RandomAccessFile("C:\\Users\\roliv\\Documents\\Homework\\Advanced Java\\Assign 7\\Sequential.txt", "r");

            sfile.seek(0);

            while(sfile.getFilePointer() < sfile.length()){

            String read = sfile.readLine();

            System.out.println(read);

            }

            sfile.close();

        } catch (Exception e) {

            System.out.println(e.getMessage());

        }

    }

}