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JAVA PROGRAMMING

ACTIVITY 3.3

Source code (Class) :

/\*Act 3.3

\*

Some Info :

- This Java code defines a class named Keyboard that has several instance variables

such as <Keycap>, <Switches>, <Keys>, <mountingPlate>, <Length>, <Width>, and <Price>.

- viewAttributes() method prints the values of the instance variables to the console

and writes them to a file named anotherMechanicalKeyboard.txt.

- The anotherAttributes() method prompts the user to enter values for the instance variables

and writes them to a file named MXKeyboard.txt.

- and i also used file\_manipulation. (from previous act3\_2 :)

\*/

import java.util.Scanner;

import java.io.\*;

public class Keyboard {

String Keycap;

String Switches;

int Keys;

String mountingPlate;

double Length;

double Width;

int Price;

void viewAttributes() throws IOException{

PrintWriter outFile = new PrintWriter("anotherMechanicalKeyboard.txt"); System.out.println("Color:\t\t"+ Keycap);

outFile.println("Color:\t\t"+ Keycap);

System.out.println("Variant:\t\t"+ Switches);

outFile.println("Variant:\t\t"+ Switches);

System.out.println("Number of keys:\t"+ Keys);

outFile.println("Number of keys:\t"+ Keys);

System.out.println("Plate Type:\t"+ mountingPlate); outFile.println("Plate Type:\t"+ mountingPlate);

System.out.println("Length:\t\t"+ Length);

outFile.println("Length:\t\t"+ Length);

System.out.println("Width:\t\t"+ Width);

outFile.println("Width:\t\t"+ Width);

System.out.println("Base Price:\t\t"+ Price);

outFile.println("Base Price:\t\t"+ Price);

outFile.print("+---+---+---+---+---+---+---+---+---+---+---+---+---+"); outFile.print("| q | w | e | r | t | y | u | i | o | p | [ | ] | |"); outFile.print("+---+---+---+---+---+---+---+---+---+---+---+---+---+"); outFile.print("| a | s | d | f | g | h | j | k | l | ; | ' |ENTER|"); outFile.print("+---+---+---+---+---+---+---+---+---+---+---+-----+"); outFile.print("| z | x | c | v | b | n | m | , | . | / |SHIFT|"); outFile.print("+---+---+---+---+---+---+---+---+---+---+------+"); outFile.print("-code by Izac Gonda ^^");

outFile.close();

}

void anotherAttributes() throws IOException{

PrintWriter anotherFile = new PrintWriter("MXKeyboard.txt"); Scanner input = new Scanner(System.in);

System.out.print("Color:\t\t");

Keycap = input.next();

anotherFile.println("Color:\t\t"+ Keycap);

System.out.print("Variant:\t\t");

Switches = input.next();

anotherFile.println("Variant:\t\t"+ Switches);

System.out.print("Number of keys:\t\t");

Keys = input.nextInt();

anotherFile.println("Number of keys:\t\t"+ Keys);

System.out.print("Type of Plate:\t");

mountingPlate = input.next();

anotherFile.println("Type of Plate:\t"+ mountingPlate);

System.out.print("Length:\t\t");

Length = input.nextDouble();

anotherFile.println("Length:\t\t"+ Length);

System.out.print("Width:\t\t");

Width = input.nextDouble();

anotherFile.println("Width:\t\t"+ Width);

System.out.print("Base Price:\t\t");

Price = input.nextInt();

anotherFile.println("Base Price:\t\t"+ Price);

anotherFile.print("+---+---+---+---+---+---+---+---+---+---+---+---+---+"); anotherFile.print("| q | w | e | r | t | y | u | i | o | p | [ | ] | |"); anotherFile.print("+---+---+---+---+---+---+---+---+---+---+---+---+---+");

anotherFile.print("| a | s | d | f | g | h | j | k | l | ; | ' |ENTER|"); anotherFile.print("+---+---+---+---+---+---+---+---+---+---+---+-----+"); anotherFile.print("| z | x | c | v | b | n | m | , | . | / |SHIFT|"); anotherFile.print("+---+---+---+---+---+---+---+---+---+---+------+"); anotherFile.print("^^");

anotherFile.close();

}

}

Source code (Main Class) :

import java.io.\*;

public class Objectclass {

public static void main(String[] args) throws IOException{

Keyboard anotherKeyboard = new Keyboard();

Keyboard MXKeyboard = new Keyboard();

anotherKeyboard.Keycap = "Cherry Red";

anotherKeyboard.Switches = "Blue Tactile Switches";

anotherKeyboard.Keys = 104;

anotherKeyboard.mountingPlate = "Backlight RGB Full-Plate"; anotherKeyboard.Length = 36.21;

anotherKeyboard.Width = 14.81;

anotherKeyboard.Price = 17990;

anotherKeyboard.viewAttributes();

System.out.println("\n\n");

System.out.print("Input your own keyboard" + " specs here!\n"); MXKeyboard.anotherAttributes();

}

}

Output:





 