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\* \*\*\*\*\*Program Description\*\*\*\*\*

\* This program takes 7 user inputed names and an age/income for each, and sorts them by youngest to oldest.

\* \*\*\*\*\*Variable Dictionary\*\*\*\*\*

\* String original - keeps track of original entries

\* String sorted - Keeps track of sorted list

\* String ageString - inputed age (as a string)

\* String incomeString - inputed income (as a string)

\* int listcount - keeps track of how much info has been inputted

\* int listcount2 - keeps track of how many times info has been put into "original"

\* int listcount3 - keeps track of how many times info has been put into "sorted"

\* int agecount - keeps track of what block is having age data inputted

\* int incomecount - keeps track of what block is having income data inputted

\* int namecount - keeps track of what block is having name data inputted

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import javax.swing.JOptionPane;

public class PointerSort

{

public static void main (String args [])

{

String name [] = new String [8];

int age [] = new int [8];

double income [] = new double [8];

int namecount = 1;

int agecount = 1;

int incomecount = 1;

int listcount = 1;

int listcount2 = 1;

int listcount3 = 1;

while (listcount <= 7)

{

name [listcount] = JOptionPane.showInputDialog (null, "Name " + namecount + ":");

String ageString = JOptionPane.showInputDialog (null, "input age");

age [listcount] = Integer.parseInt (ageString);

String incomeString = JOptionPane.showInputDialog (null, "input income");

income [listcount] = Double.parseDouble (incomeString);

namecount = namecount + 1;

listcount = listcount + 1;

}

String original = "";

while (listcount2 <= 7)

{

original = original + (name [listcount2] + " " + age [listcount2] + " " + income [listcount2] + "\n");

listcount2 = listcount2 + 1;

}

int pointer [] = new int [8];

for (int pointervalue=1;pointervalue<8;pointervalue++)

pointer [pointervalue] = pointervalue;

for (int s = 1; s < 7; s++)

{

for (int d = s + 1; d <= 7; d++)

{

if(age [pointer[s]] > (age [pointer[d]]))

{

pointer [0] = pointer [d];

pointer [d] = pointer [s];

pointer [s] = pointer [0];

}

}

}

String sorted = "";

while (listcount3 <= 7)

{

sorted = sorted + (name [pointer[listcount3]] + " " + age [pointer[listcount3]] + " " + income [pointer[listcount3]] + "\n");

listcount3 = listcount3 + 1;

}

JOptionPane.showMessageDialog (null, "Unsorted List: \n" + original + "\nSorted List: \n" + sorted);

}

}