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\* Period A

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

\* Takes 7 user inputed names, ages, and incomes, and sorts them

\* by least to greatest income.

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import javax.swing.JOptionPane;

public class MethodPointer

{

public static void main (String args [])

{

String names [] = new String [8];

int ages [] = new int [8];

double incomes [] = new double [8];

int pointer [] = new int [8];

String original = "";

String sorted = "";

int count = 1;

int count2 = 1;

int count3 = 1;

inputs (names, ages, incomes);

while (count <= 7)

{

original = original + (names [count] + " " + ages [count] + " " + incomes [count] + "\n");

count = count + 1;

}

sorter (ages, pointer);

while (count2 <= 7)

{

sorted = sorted + (names [pointer[count2]] + " " + ages [pointer[count2]] + " " + incomes [pointer[count2]] + "\n");

count2 = count2 + 1;

}

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

}

public static void inputs (String names [], int ages [], double incomes [])

{

int count = 1;

while (count <= 7)

{

names [count] = JOptionPane.showInputDialog (null, "Name " + count + ":");

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

ages [count] = Integer.parseInt (ageString);

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

incomes [count] = Double.parseDouble (incomeString);

count = count + 1;

}

}

public static void sorter (int ages [], int pointer [])

{

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(ages [pointer[s]] > (ages [pointer[d]]))

{

pointer [0] = pointer [d];

pointer [d] = pointer [s];

pointer [s] = pointer [0];

}

}

}

}

}