/\*

\* Aaron Knestaut

\* Period A

\* 10.1.15

\*

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

\*

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

\*

\*/

import javax.swing.JOptionPane;

public class SortTime

{

public static void main (String args [])

{

double A [] = new double [50001];

double B [] = new double [50001];

int count = 1;

while (count <= 5000)

{

A [count] = (double) (Math.random () \* 1000) + 1;

B [count] = A [count];

count = count + 1;

}

JOptionPane.showMessageDialog (null, "Click OK to start a selection sort of array A");

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

{

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

{

if(A [s] > (A [d]))

{

A [0] = A [d];

A [d] = A [s];

A [s] = A [0];

}

}

}

JOptionPane.showMessageDialog (null, "Finished selection sort\n Click OK to begin an insertion sort of array B");

for (int i = 1; i < B.length; i++)

{

double temp = B[i];

int j;

for (j = i - 1; j >= 0 && temp < B[j]; j--)

B[j+1] = B[j];

B[j+1] = temp;

}

JOptionPane.showMessageDialog (null, "Finised insertion sort");

}

}