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**Class:** CSE\_1310\_007.

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**Task 1 (10 pts.)**

public class ArrayFoo

{

public static void printIntMatrix(String name, int[] a)

{

System.out.printf("%5s: ", name);

for (int i = 0; i < a.length; i++)

{

System.out.printf("%7d", a[i]);

}

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

}

public static void foo(int[] x, int[] y)

{

for (int i = 0; i < x.length; i++)

{

x[i] = 100 + x[i];

}

int[] q = {1, 2, 3};

y = q;

}

public static void main(String[] args)

{

int[] a = {3, 2, 5};

int[] b = a;

int[] c = {3, 2, 5};

int[] d = c;

foo(b, d);

printIntMatrix("a", a);

printIntMatrix("c", c);

}

}

If I execute this program, it will print out

a: 103 102 105

c: 3 2 5

**Task 2 (10 pts.)**

import java.util.\*;

public class ListFoo

{

public static void printStringList(ArrayList<String> a)

{

for (int i = 0; i < a.size(); i++)

{

System.out.printf("%10s", a.get(i));

}

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

}

public static void foo(ArrayList<String> x, ArrayList<String> y)

{

for (int i = 0; i < x.size(); i++)

{

String current = x.get(i);

if (current.equals("tx"))

{

x.set(i, "Texas");

}

}

y.add("hello");

y.add("world");

y = new ArrayList<String>();

y.add("goodbye");

}

public static void main(String[] args)

{

ArrayList<String> a = new ArrayList<String>();

ArrayList<String> b = a;

ArrayList<String> c = new ArrayList<String>();

ArrayList<String> d = c;

a.add("fort");

a.add("worth");

a.add("tx");

c.add("june");

c.add("july");

c.add("august");

foo(b, d);

printStringList(a);

printStringList(c);

}

}

If I execute this program, it will print out

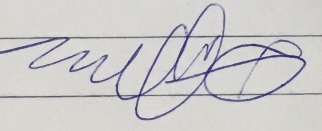
fort worth Texas

june july august hello world

I pledge, on my honor, to uphold UT Arlington's tradition of academic integrity, a tradition that values hard work and honest effort in the pursuit of academic excellence.

I promise that I will submit only work that I personally create or that I contribute to group collaborations, and I will appropriately reference any work from other sources. I will follow the highest standards of integrity and uphold the spirit of the Honor Code.

Student’s signature.



Gia Dao