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**Class:** CSE 1310\_007.

**Task 1 (5 pts.)**

public class VariablesAB

{

public static void foo(int a, int b)

{

System.out.printf("1: a = %d\n", a);

System.out.printf("2: b = %d\n", b);

a = a\*a;

b = 2\*b;

System.out.printf("3: a = %d\n", a);

System.out.printf("4: b = %d\n", b);

}

public static void main(String[] args)

{

int a = 3;

int b = 5;

foo(b, a);

System.out.printf("5: a = %d\n", a);

System.out.printf("6: b = %d\n", b);

}

}

1: a = 5

2: b = 3

3: a = 25

4: b = 6

5: a = 3

6: b = 5

If I execute this program, it will print out

**Task 2 (5 pts.)**

public class VariableA

{

public static int foo(int a)

{

a = a+1;

return a;

}

public static void main(String[] args)

{

int a = 1;

int b = 5;

int c = foo(foo(b));

int d = foo(foo(foo(b))) + foo(foo(a)) + 10;

System.out.printf("a = %d\n", a);

System.out.printf("b = %d\n", b);

System.out.printf("c = %d\n", c);

System.out.printf("d = %d\n", d);

}

}

a = 1

b = 5

c = 7

d = 21

If I execute this program, it will print out

**Task 3 (10 pts.)**

public class StringA

{

public static String foo(String a)

{

int m = a.length();

String result = a.substring(0, m/2);

return result;

}

public static void main(String[] args)

{

String b = "Arlington";

String c = foo(b);

String d = foo(foo(b));

System.out.printf("b = %s\n", b);

System.out.printf("c = %s\n", c);

System.out.printf("d = %s\n", d);

}

}

If I execute this program, it will print out

b = Arlington

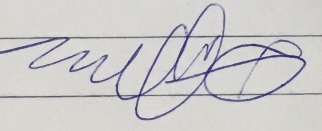
c = Arli

d = Ar

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