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

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**Task 1 (5 pts.)**

public class Foo

{

public static int foo(int a, int b)

{

if (b == 0)

{

return 1;

}

return a \* foo(a, b-1);

}

public static void main(String[] args)

{

int a = 3;

int b = 5;

int c = foo(b, a);

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

}

}

If I execute this program, it will print out

c = 125

**Task 2 (5 pts.)**

public class FooBar

{

public static int foo(int a, int b)

{

if (b <= 1)

{

return 1;

}

return a \* bar(a, b-2);

}

public static int bar(int c, int d)

{

if (c <= 1)

{

return 1;

}

return d + foo(d, c);

}

public static void main(String[] args)

{

int a = 3;

int b = 5;

int c = foo(b, a);

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

}

}

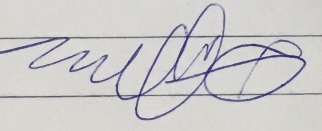
If I execute this program, it will print out

c = 10

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