**44-542 Object Oriented Programming**

**Repetition 01**

Assume the variables b, c, and d have been declared to be of type int. Find the output of each of the Java code segments below.

Output:

1. b = 20;

while( b > 0 )

{

System.out.println( "b = " + b );

b = b - 6;

}

System.out.println( "Done" );

2. c = 0;

Output:

while( c < 25 )

{

c = c + 2;

if( c > 10 )

{

c = c + 5;

}

System.out.println( "c = " + c );

}

3. d = 200;

while( d > 100 )

{

Output:

d = d - 30;

}

System.out.println( "d = " + d );

if( d > 120 )

{

d = d - 50;

}

else

{

d = d + 70;

}

System.out.println( "d = " + d );

4. int outerLoop = 10;

int innerLoop = 3;

while (outerLoop > 1)

{

if ( outerLoop > 6 )

innerLoop = -1;

else if ( outerLoop \* 2 >= 10)

innerLoop = 10;

else

innerLoop = 2;

while (innerLoop < 10 )

{

if ( innerLoop > outerLoop )

{

System.out.print ("innerLoop greater: " );

}

System.out.print ( outerLoop \* innerLoop );

System.out.println();

innerLoop += 5;

}

System.out.println( "After Inner Loop");

outerLoop-=4;

}

Output: