

Software Design I (CS 120)
Quiz 03: Tuesday, 21 February 2017

NAME _____

- (1) (9 pts.) For each of the following, give the value of the variable **x** after each line (or pair of lines) executes. If the code produces an error, write **ERROR**.
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(a) `String s = 3 + 4;`
 `String x = "String is " + s;`

(b) `String s = "String is ";`
 `String x = s + 3 + 4;`

(c) `String s = "String is ";`
 `String x = s + (9 + 2);`

(d) `String s = "Jeepers!";`
 `char x = s.charAt(0);`

(e) `String s = "Jeepers!";`
 `char x = s.charAt(s.length());`

(f) `String s = "Jeepers!";`
 `String x = s.substring(1, 4);`

(g) `Scanner scan = new Scanner("11");`
 `int x = scan.nextInt();`

(h) `Scanner scan = new Scanner("11");`
 `double x = scan.nextDouble();`

(i) `Scanner scan = new Scanner("11 25.5 34.3");`
 `int x = scan.nextInt();`

(2) (6 points) Below, write out exactly what the **output** of the following code will be.

```
int int1 = 9;
int int2 = 2;
int int3 = 1;
double dub1 = 0.0;
double dub2 = 2.9;
double dub3 = 5.0;

int3 = int1;
int1 = int2;
int2 = (int)( int2 + dub2 );
dub1 = int1 / int2 ;
dub2 = int1 / 2.0;
dub3 = dub3 * 2;

System.out.print( "int1 = " + int1 );
System.out.print( " int2 = " + int2 );
System.out.println( " int3 = " + int3 );
System.out.print( "dub1 = " + dub1 );
System.out.print( " dub2 = " + dub2 );
System.out.println( " dub3 = " + dub3 );
```
