

Name _____ Period _____

1. Complete the following code segments.	
(a) Write code that will assign the value of "Computer Science is Cool" to the String variable "g". Then have it print this String in all lower case.	
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(a) Initialize a String variable b to "Four score and seven years ago". Print all the characters between (not inclusive) the first "s" in score and the "y" in years (EX: "core and seven ")	
	/2
(c) Write code that will produce the following printout using only a single println(), Hello Hello Again	
	/2
(d) Write code that will print the following to the consol, "Look here!" Note, the quotes must display when printed.	
	/2

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2. For each of the following code segments, indicate the output.

(a)

```
int a = 5;  
int b = 11;  
b*=a;  
System.out.println(b + 1);
```

(b)

```
double m = 41;  
int j = 5;  
m = m/j;  
System.out.println(m)
```

(c) The following code applies to (i) thru (vi)

```
int dividend = 6, divisor = 2, quotient = 0, remainder = 0;
int dividend2 = 5, divisor2 = 3, quotient2 = 0, remainder2 = 0;
```

```
quotient = dividend/divisor;
remainder = dividend % divisor;
quotient2 = dividend2/divisor2;
remainder2 = dividend2 % divisor2;
```

(i) `System.out.println(quotient);`

(ii) `System.out.println(remainder);`

```
(iii) System.out.println(quotient2);
```

(iv) `System.out.println(remainder2);`

(v) `System.out.println(quotient += quotient2);`

```
(vi) System.out.println(++remainder);
```

3. Consider the word below,

Bicycle

Write a driver class called WordScramble that extracts the first half and second half of the word, then recombines the halves such that the last half is printed first followed by the first half.

The result that should appear when your program is ran is shown below. **NOTE:** the final result should be all lower case.

```
* yclebic
```

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4. Write code that could be used to reverse a number and store the reversed number in a variable called **reversed**. Your code should work for any number with 4 digits. Consider the int data type below,

```
int number = 1234;
```

When your code is ran, "4321" should be stored in **reversed**.

Below are more examples,

int data type	reversed
int n1 = 3455;	5543
int n2 = 8767;	7678
int n3 = 2468;	8642

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