1. Suppose you look up a method in the Java API and find this method heading:

   ```java
   String doThis ( int x )
   ```

   Fill in the following information about this method:

   Method name: __________ **do this**_________
   Method return type: _____String_____
   Required paramaters for the method: (how many? of what type(s)?)
   __________one, an int_____________

2. Fill in the blanks & show output

   ```java
   String word = "overdrive";
   int num = word.length();

   num _9_ word.charAt(1) _v_
   word.charAt(4) _d_ word.charAt(num -1) _e_
   
   int n = 0;
   while (n < word.length())
   {
       System.out.print(word.charAt(n) + "a");
       n = n + 2;
   }
   ```

   Output:
   oaeadaiaea

3. Given a Random object named `rand`, what range of values are produced by the following expressions?

   - `rand.nextInt(8)` __________ 0 to 7
   - `rand.nextInt(50) - 10` __________ -10 to 39
   - `(char) (rand.nextInt(4) + 'a')` __________'a' to 'd'

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1. Suppose you look up a method in the Java API and find this method heading:

   `double word()`

   a) Fill in the following information about this method:

   Method name: `word`
   Method return type: `double`
   Required parameters for the method: *(how many? of what type(s)?)*
   __None__

2. Given a Random object named `rand`, write a Java expression that produces a value in the range 4 - 20 (inclusive).

   `rand.nextInt(17) + 4`

3. Fill in the blanks

   ```java
   String word = "plaintalking";
   int num = word.length();
   num _12_ word.charAt(1)_l word.charAt(4)_n_
   word.substring(1)_laintalking_
   int n = 0;
   while (n < num-1)
   {   System.out.print(word.charAt(n) + " ");
       n++;
   }
   ```

   Output:

   `plaintalking`

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