Number of Questions — 4
Percent of total test grade —46

1. Write a static method countdown that takes one `int` parameter, and displays a "countdown" from that number down to zero. For instance, the method calls:

   - `countdown(5)` should output: 5 4 3 2 1 0
   - `countdown(10)` should output: 10 9 8 7 6 5 4 3 2 1 0

   Write your **method header** and **method body** in the space below:

2. Write a static method `compareEvenOdd` that takes two `int` parameters, and returns a `boolean`. It should return `true` if the numbers are **both odd** or if the numbers are **both even**. It should return `false` if one of the numbers is even and the other number is odd.

   For instance, the method calls:
   - `compareEvenOdd(4, 6)` should return `true` (since 4 and 6 are both even)
   - `compareEvenOdd(5, 1)` should return `true` (since both 5 and 11 are odd)
   - `compareEvenOdd(7, 8)` should return `false` (since 7 is odd and 8 is even).

   Write your **method header** and **method body** in the space below. For this problem, your method must use a `return` statement, **not** `System.out.println()`.

3. Write a static method `middleValue` that takes three `int` parameters, and returns a `int`. It should **return** the middle value of the three parameters (sometimes called the *median value*). You may assume that all three parameters are different values (there are no duplicates).

   For instance, the method calls:
   - `middleValue(3, 1, 4)` should return 3
   - `middleValue(1, 2, 8)` should return 2
   - `middleValue(8, 9, 0)` should return 8
   - `middleValue(3, 5, 4)` should return 4
   - `middleValue(3, 5, 4)` should return 4

   Write your **method header** and **method body** in the space below. For this problem, your method must use a `return` statement, **not** `System.out.println()`.

4. On the following page, write a static method `printShortWords` that accepts two parameters: a `String str` containing a list of words (separated by spaces), and an integer `maxLength` . This method should print out the words in `str` whose lengths are at most `maxLength`. You can assume there will always be a space after the last word in the string.

    For example, the method call

    ```
    printShortWords("I love AP Computer Science ", 4);
    ```

    will print out:

    ```
    I
    love
    AP
    ```

    The method call:

    ```
    printShortWords("this problem is hard ", 3);
    ```

    will print out:

    ```
    is
    ```

    Hint: figure out what the *first* word of the string is, and compute its length.

END OF SECTION II.