

Montgomery College, CMSC 203

Introduction to Static Members Worksheet

When using methods of java **Math** class, there is no need for creating an object of **Math** class.

Example:

```
Math.sqrt(10);    // Just call the sqrt method without creating an
                  // instance of the Math class.
```

That is not the case for other java Classes. For example when using the **Scanner** class methods, an object of the **Scanner** class needs to be created and then methods of the `Scanner` class be used.

Example:

```
Scanner input = new Scanner ("System.in");    // Create an instance of
                                              // the Scanner class
```

```
String name = input.nextLine();    // call nextLine method using the
                                   // input object created
```

- 1) Go to java API and look at the description of the methods for both `Math` and `Scanner` class and reason what justifies the above case?

2) On Blackboard, open Module14 slides from week8. In groups of two review slides 4 -14.

Make sure to start eclipse and create a new project and download the files:

- [Countable.java](#),
- [StaticDemo.java](#)

From book source code example / Chapter 08 .

Write down four facts you learned from these slides:

- Fact1

- Fact2

- Fact3

- Fact4

