**Identifiers**

* Should be both *unique* and *descriptive*
* Identifiers can be used with capital letters or punctuation to distinguish between two words
  + firstName or first\_name, instead of firstname

**Importing Packages and Classes**

* we enclose our programs in public class className {}
* a class is a container for a program
* Java programs are organized into groups of classes called packages
  + In order to use these packages, we must write an import statement that imports them into our program
  + import packageName.subPackageName.ClassName

**The Scanner Class**

* to import the Scanner class, we add the following to the top of our program
  + import java.util.Scanner;
* **parse** means to analyze a block of data and return the primitive values that it contains

**Methods**

* methods define the behaviors that a program (class) will be capable of
  + object.method();

|  |  |
| --- | --- |
| **Name** | **Return Value** |
| nextInt( ) | Returns the next int value in the input |
| nextDouble( ) | returns the next double value in the input |
| nextFloat() | returns the next float value in the input |
| nextLong() | returns the next long value in the input |
| nextByte() | returns the next byte value in the input |
| nextShort() | returns the next short value in the input |
| next() | returns the next one word string value in the input |
| nextLine() | returns the next multi-word String value in the input |