Mistakes/Reminders:

arrays use arr.length field, strings use str.length() method

Properties vs Fields (At least in C#) Properties Expose Fields; by having two variables (one property and one field) we don’t have to expose the inner workings of the class by showing the field representation of data. Also, we can change up the field name and data types or even its existence as long as the property is fine, and programs that reference the property will be fine despite the changes in fields.  **I guess you could do that with general getters and setters anyway.**   
  
Properties have a lot of other functionality in C# too, like overriding or reflection

can also make get public but set private.

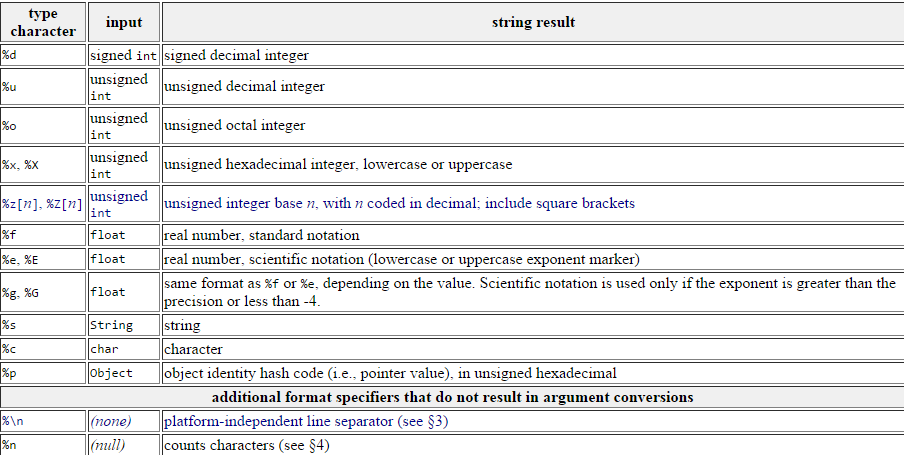
map1.equals(map2) works as long as the keys and values have valid equals methods. Does not work with arrays.

Maps use containsKey and containsValue methods, not just contains

HashMap may have parameters Integer and Character, but what comes out and gets put in can act just like the primitives. JVM can handle it.

Conditional Operator Exists in Java

you can use Conditional operator without having parentheses, but parentheses honestly makes it look better.



To turn char array back to string, do String x = new String(array);