JavaScript does not wildly differ from Java. Some key differences include variable declaration. In Java, variable types are explicitly declared (for example, “int myVar = 0;”). This differs from JavaScript where types are inferred (for example, “let myVar = 0;”). Another difference is function declaration. Again, in Java, functions are explicitly typed as well as its visibility (for example, “public int myFunc(int x){return x;}”). Parameters must also be explicitly typed. In JavaScript, all former elements are inferred, with also a change in syntax (for example, “function myFunc(x){return x;}”). Finally, like in Python and unlike in Java, programs do not have a main function. Execution begins from the top and goes to the bottom.

There are many similarities between JavaScript and Java. One is conditional syntax. Syntax for if-elseif-else statements as well as the conditions in JavaScript have the exact same syntax as in Java (for example, “if (myVar == 0) {myVar++;}”). Another similarity is while loops. These too have the same syntax in both JavaScript and Java (for example, “while (true) {}”). One last similarity is switch statements. Like in Java, JavaScript has switch statements with the same syntax and the same need to include a break statement between each case.