

1. What is the syntax for declaring a function in your language?

Defining a function looks like:

```
function functionName(input1,input2,...) {}
```

Calling it looks like:

```
functionName(input1,input2,...);
```

2. Are there any rules about where the function has to be placed in your code file so that it can run?

You can put functions pretty much anywhere and still have runnable code. You can even instantiate a function within another function, but that isn't advisable because you wouldn't be able to call the nested function from main, so it's uses would be very limited.

3. Does your language support recursive functions?

Yes.

4. Can functions in your language accept multiple parameters? Can they be of different data types?

Functions can have multiple inputs and because JavaScript is both weakly and dynamically typed it doesn't care if the data types match.

5. Can functions in your language return multiple values at the same time? How is that implemented? If not, are there ways around that problem? What are they?

JavaScript doesn't support multiple outputs. Programmers work around this by putting multiple outputs into a single data structure like an array or object and then returning that. Because JavaScript arrays can hold multiple data types at the same time, this is not very limiting.

6. Is your language pass-by reference or value? Check your code against outside sources in case there is anything tricky going on (like in Perl).

JavaScript is pass by value.

7. Are there any other aspects of functions in your language that aren't specifically asked about here, but that are important to know in order to write one? What are they?

Variables declared outside of a function are global and updates to them within a function will be saved to the same variable (unlike variables declared in `main()`).