**Section 14 – Quiz**

**Functions - Quiz**

**WELL DONE!**

Functions are the bread and butter of any programming language.

JavaScript isno exception.

As you start to write more code, you’ll find that your code begins to get rather messy. It becomes harder to read, and harder to follow.

The solution? Break your code into smaller, reusable, modular pieces. Now this has different names in different programming languages. Sometimes they are called modules, sometimes subroutines or subprograms, or just routines or methods, but in JavaScript they are called **functions**!

**Bottom line: a function is simply the idea of taking a block of code (whether its 1 line, 10 lines, 1,000 lines or 10,000 lines) wrapping it up, and giving it a name so that you can call it later and treat it as one entire block of code.**

But you already know all of this now :)

Grab a coffee, and see how many of these questions you can answer.

Good luck.

Top of Form

Question 1:

Do functions always return something?

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**No.**

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**Yes.**

Bottom of Form

Answer: Yes

Top of Form

Question 2:

If you don’t specify a value to be returned (i.e. by using the keyword return), what will happen?

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**The function will return undefined.**

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**The function will return null .**

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**Nothing will be returned.**

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Answer: A

Top of Form

Question 3:

What is the difference between a function expression and an function declaration?

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**They are both exactly the same.**

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**When using function expressions, the function definition is hoisted, thus allowing the function to be used before it is defined.**

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**A Function Declaration defines a named function, whereas a function expression defines an anonymous function.**

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Answer: C

Top of Form

Question 4:

What is a major benefit of the new and improved **arrow syntax**?

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**It is more cumbersome to write, but executes code faster.**

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**It is used in replacement of the traditional way to write function declarations.**

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**The arrow syntax is a shorter way to write function expressions.**

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**There is no major benefit.**

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Answer: C