

## ✔ Congratulations! You passed!

Grade received **100%** To pass 80% or higher

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1. What is a good rule of thumb for when to abstract code out into a separate function?

1 / 1 point

- ☒ When you encounter a step in your algorithm that cannot be directly and easily translated into one or two lines of code.
- ☐ When you have declared more than 20 variables.
- ☐ When your code has exceeded 50 statements.
- ☐ When the cyclomatic complexity of the code exceeds 100.

✔ Correct

2. What is "top-down design"?

1 / 1 point

- ☐ Developing the algorithm and then writing code.
- ☐ Taking code given to you by your boss or technical lead and making it work.
- ☒ Generating sub-problems to solve as you encounter complex steps in the higher-level problem.
- ☐ Starting from the big picture of the code and then developing test cases.

✔ Correct

3. What does "pass" do? (Choose ALL that apply)

1 / 1 point

- ☒ Nothing (it has no program effect)

✔ Correct

- ☐ Ensures that your answer is correct
- ☒ By convention, informs the reader we intended to end a block here

✔ Correct

- ☐ Changes how arguments are passed to a function

4. What code construct is the most appropriate translation for algorithmic steps that call for updating the values of variables?

1 / 1 point

- ☐ Loops
- ☐ Conditional Statements
- ☐ Return Statements
- ☒ Assignment Statements

✔ Correct