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📄 **Task Categories**

Advanced Coding

Category	Sub-category	Description
Coding Advanced	**RAG**	**Prompt:** This task includes providing a problem along with retrieved documents or web pages as input. **Need to tell that code must run in all environments or operative systems.** **Response**: The output should be a natural language explanation and/or code that addresses the problem using the provided information.
	Test Generation	Include various type of test syntax and test suite. For instance, there can be a simple assert statement, or using unittest framework in Python and XCTest in Swift. The unit test shall cover edge cases with a natural language explanation in the commen. **Prompt Option 1:** give a problem where in the response we expect Unit tests. **Response Option 1:** Unit tests **Prompt Option 2:** problem + example unit test . **Response Option 2:** More unit tests. The goal is to validate that each unit of the software performs as expected. **Important: In this category, the code must be adapted to specific environments/operative systems according to the libraries that are being used.**
	Bug Fixing	The prompt may or may not include error message. For example, the prompt may come with an error from compiler, interpreter or unit test, or may directly ask if there are any bugs in the code. **Prompt:** Write a prompt about where you want the model to be DEBUGGING something. Wrong code + error message/feedback **Need to tell that code must run in all environments or operative systems.** **Response:** Analyze why the code is wrong and provide correct code.
	Solution Reasoning	**Prompt:** Give a problem + a code solution. **Need to tell that code must run in all environments or operative systems.** **Response:** Reasoning in bullet points on how the solution solves the problem, analyze its correctness and efficiency. Provide meaningful code functions, which improves understanding of how the code functions.

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