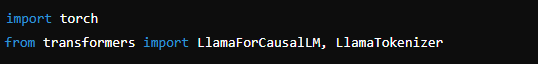
**User Manual**

**Overview**

This document provides instructions on how to use the model testing solution. The solution is designed to evaluate the performance of a language model on various test cases, ensuring that the model produces accurate and expected outputs. The document includes information on the required imports, input formats, limitations, and steps to follow when using the solution.

**Required Imports**

Before running the model testing code, the following libraries must be imported:



These imports are essential for loading the model and tokenizer, encoding inputs, and generating outputs.

**Model Initialization**

To use the model, initialize the tokenizer and model using the following code:

A black screen with white text

Description automatically generated

Ensure that the model\_name is correctly specified.

**Input Format**

The input to the model is a prompt that describes the function to be tested along with a specific test case. The input format typically follows this structure:

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Replace function\_name, parameter1, parameter2, and other placeholders with the appropriate names and values.

**Limitations on Inputs**

1. **Data Types**: The inputs must be in the correct data types as expected by the function being tested.
2. **Value Ranges**: Ensure that the input values are within the expected ranges to avoid unexpected errors.
3. **Test Cases**: The number of test cases should be manageable to avoid excessive computation time.

**Steps to Use the Solution**

1. **Set Up the Environment**: Ensure that the required libraries are installed (torch, transformers) and import them.
2. **Initialize the Model**: Load the appropriate model and tokenizer using the provided code.
3. **Prepare the Prompt**: Write the function prompt with the necessary test cases.
4. **Run Test Cases**: Use a loop to encode the prompt, generate outputs, and compare them against the expected results.
5. **Interpret the Results**: Evaluate whether the model's outputs match the expected outputs. Adjust the prompt or model settings if necessary.

**Conclusion**

This manual provides the essential steps and guidelines for using the model testing solution. By following these instructions, you can effectively test and evaluate the performance of language models on a variety of tasks.