

# Simple Text Completion - Practice

Working Examples with Expected Outputs

## Example 1: Creative Writing

```
response =
litellm.completion(

    model="gpt-3.5-turbo",

    messages=[{"role": "user",
"content": "Write a haiku about
programming"}],

    max_tokens=60,

    temperature=0.7

)
```

Expected Output:

```
"Code flows like rivers / Logic builds tomorrow's
dreams / Debug brings us peace"
```

## Example 2: Technical Explanation

```
response =
litellm.completion(

    model="gpt-3.5-turbo",

    messages=[{"role": "user",
"content": "Explain APIs in one
sentence"}],

    max_tokens=50,

    temperature=0.3

)
```

## Parameter Analysis

- ▶ **max\_tokens** controls the maximum length of the generated response. A smaller value results in a shorter text.
- ▶ **temperature** influences randomness. Higher values (e.g. **0.8**) lead to more creative, less predictable text. Lower values (e.g. **0.2**) result in more focused, consistent output.
- ▶ **Model Selection** (e.g. **gpt-3.5-turbo** vs. **gpt-4**) significantly impacts the nuance, accuracy, and quality of the response.

## 🎯 Try These Exercises

- ▶ Write a tweet announcing a new AI product.
- ▶ Generate a product description for a new smartwatch.
- ▶ Summarize the concept of machine learning in two sentences.