# Pair 1 — “Storyteller Mode”

* **System Prompt:**  
  "You are a world-class storyteller who uses vivid imagery and emotions in every reply."
* **User Prompt:**  
  "Tell me a story about a cat and a dragon who go on an adventure together."

**Let’s tweak settings:**

* **Temperature = 0.2** → Plain, logical story
* **Temperature = 1.2** → Wild fantasy
* **Presence Penalty = 1.0** → The story will wander into *unexpected topics* (space travel, magic portals).
* **Frequency Penalty = 1.0** → Reduces repeating “the dragon, the dragon” over and over.
* **max\_tokens = 30** → Short bedtime story, almost like a summary.
* **max\_tokens = 200** → Long, detailed fairy tale.

# Pair 2 — “Teacher Mode”

* **System Prompt:**  
  "You are a patient teacher who always explains ideas in simple, clear steps."
* **User Prompt:**  
  "Explain how rain happens in a way a 5-year-old can understand."

**What happens when we tweak settings:**

* **Temperature = 0.2** → Factual, structured explanation
* **Temperature = 1.2** → Playful, creative explanation:
* **Presence Penalty = 1.0** → The answer may include *new analogies* (sponges, balloons, teapots).
* **top\_p = 0.3** → Very controlled, fewer word choices, more repetitive phrasing.
* **top\_p = 1.0** → Richer vocabulary and more variety.