

## **Ex-5 Comparative Analysis of different types of Prompting patterns and explain with Various Test Scenarios.**

### **Aim:**

To test and compare how different pattern models responds to various naive prompts (broad or unstructured) versus basic prompts (clearer and more refined) across multiple scenarios, analyzing the quality, accuracy, and depth of the generated responses.

### **Algorithm:**

Define the Two Prompt Types: Naive Prompts: Broad, vague, or open-ended prompts with little specificity. Basic Prompts: Clear, detailed, and structured prompts that give specific instructions or context to guide the model.

Prepare Different Test Scenarios: Select various scenarios such as: Generating a creative story. Answering a factual question. Summarizing an article or concept. Providing advice or recommendations. Or Any other test scenario For each scenario, create both a naive and a basic prompt.

Ensure each pair of prompts targets the same task but with different levels of structure. Run Experiments with ChatGPT: Input the naive prompt for each scenario and record the generated response. Then input the corresponding basic prompt and capture that response. Repeat this process for all selected scenarios to gather a full set of results.

Evaluate Responses : Compare how ChatGPT performs when given naive versus basic prompts and analyze the output based on Quality, Accuracy and Depth.

Also analyse does ChatGPT consistently provide better results with basic prompts? Are there scenarios where naive prompts work equally well? Deliverables: A table comparing ChatGPT's responses to naive and basic prompts across all scenarios.

Analysis of how prompt clarity impacts the quality, accuracy, and depth of ChatGPT's outputs. Summary of findings with insights on how to structure prompts for optimal results when using ChatGPT.

### **OUTPUT:**

#### **Navie or unstructured prompt**

**1. prompt :** "Tell me about the journey."

#### **Chatgpt responses:**

Okay, here's a description of a journey based on that native prompt. I'll make some choices to give them some form:

The journey of a person is often marked by a series of challenges, growth, and transformation. Every individual begins with a set of circumstances—some privileged, some constrained—but it is the choices they make, the resilience they show, and the vision they pursue that shape their path. Along the way, they encounter failures that test their determination and successes that fuel their drive. Learning becomes a continuous process, not only from books or mentors but also from life's unpredictable

turns. Through dedication, reflection, and adaptability, a person evolves—not just in skills or knowledge, but in character. This journey, though unique to each individual, speaks to the universal human experience of striving toward purpose and meaning.

**2. prompt :** "Tell me something about books."

Are you looking for book recommendations in a particular genre or topic?

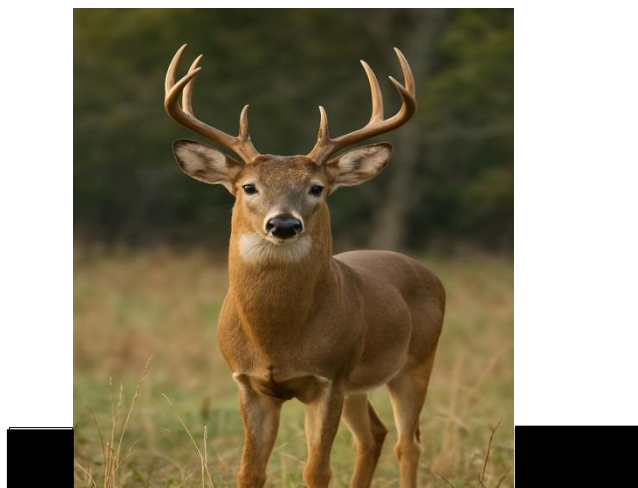
Books are collections of written, printed, or digital content that share knowledge, stories, or ideas. They come in many genres—fiction, non-fiction, biographies, science, fantasy, and more—serving purposes like education, entertainment, research, or inspiration. A good book can expand your thinking, transport you to new worlds, or even change your perspective on life.

**3. prompt :** "Tell students what to do to do well."

I understand. That's a naive statement, and to help you best, I need a little more information about the students.

To do well in school, students should pay close attention in class and not hesitate to ask questions if something is unclear. Doing homework regularly is important because it helps reinforce what's been learned. Reading books beyond the classroom material can expand knowledge and improve vocabulary. It's also essential to take breaks during study time to stay fresh and focused. Getting enough sleep every night is important for a healthy brain and better learning. Most importantly, students should stay positive and believe in themselves, because confidence and effort go a long way in achieving success.

**4. Prompt :** "a deer image."



## Basic and Refined prompts

**1.Basic and Refined prompts:**"I'm looking for a spacious restaurant in the Anna Nagar area of Chennai that can accommodate a group of 10 people for a team lunch on a Friday. The cuisine should be Indian or Asian, and the budget is around ₹500 per person. Can you suggest a few options?"

### Chatgpt responses:

I'd be happy to suggest some spacious restaurants in Anna Nagar, Chennai that would work well for your team lunch!Based on your requirements for accommodating 10 people, serving Indian or Asian cuisine, and fitting within a ₹500 per person budget in Anna Nagar, here are some excellent options:

Hotel Saravana Bhavan in Anna Nagar is spacious with multiple seating areas that can easily accommodate your group of 10. They serve authentic South Indian cuisine well within your budget range, and their thalis and combo meals are perfect for group lunches.

Mainland China in Anna Nagar Tower offers delicious Asian cuisine in a spacious setting. They have dedicated areas for larger groups and several lunch combos that fit your budget. Their Chinese and Pan-Asian dishes are popular for team gatherings.

Sangeetha Restaurant has a large dining area ideal for groups. Known for their vegetarian Indian cuisine, they offer excellent value for money with meals well under your ₹500 per person budget.

Bombay Brasserie in Anna Nagar East provides a contemporary take on Indian cuisine in an elegant, spacious setting. They can easily accommodate your team and have lunch specials that should work with your budget.

I'd recommend calling ahead to reserve space for your group, especially for a Friday lunch when these places might be busy with other office groups. Most of these restaurants also offer special group menus if you inquire in advance, which could give you better value for your budget.  
RetryClaude can make mistakes. Please double-check responses. 3.7 Sonnet.

**2.Basic and Refined prompts:** "Pretend it's the end of the day or, this time, tomorrow. Write about how your day went, in past tense and in positive, uplifting terms, imagining the day you want as if it's already true."

### Chatgpt responses:

Today was exactly what I needed. I woke up feeling refreshed, with just the right balance of energy and calm. The morning light streamed in gently, and I took a few quiet moments to breathe deeply and set my intention for the day. Everything flowed smoothly from there.

Work was fulfilling—I stayed focused, got more done than I expected, and even had a moment of inspiration that brought a new idea to life. Conversations felt meaningful, even the small ones, and I noticed myself being more present, really listening.

I made time for a walk outside where the breeze was soft and the sky stretched wide and open. It felt like the world was gently cheering me on.

There was laughter too—something simple that reminded me how good it feels to be lighthearted. I ended the day with a warm meal, some music, and a sense of quiet pride. I showed up today. Fully. And I'm grateful for it.

**3.Basic and Refined prompts:**"What things could you do that feel so fun and pleasurable that you lose track of time? How do you feel every time you sit down to do just that?"

**Chatgpt responses:**

Things that feel so fun and pleasurable that I lose track of time:

**Writing freely**—whether it's journaling, poetry, or storytelling. Time slips away when the words flow naturally.

**Listening to music with no distractions**, maybe even dancing a little or just lying down with eyes closed, completely immersed.

**Sketching or painting**—not worrying about how it looks, just enjoying the motion and the colors.

**Getting lost in a great book**, where each page pulls me deeper into another world.

**Walking in nature**, especially under trees or near water, where thoughts get quieter and everything feels connected.

**Cooking without a plan**, just following intuition, flavors, and scents.

Every time I sit down to do one of these things, I feel **relieved, open, and completely myself**. It's like I return to a part of me that doesn't need to prove anything—just *be*. There's a quiet joy, a soft focus, and sometimes even awe at how something so simple can feel so whole.

**4.Basic and Refined prompts:**"You wish everyone knew this..."

**Chatgpt responses:**

I wish everyone knew that **kindness, no matter how small, always makes a difference.** Even in moments when we feel powerless or overwhelmed, a kind word or gesture can ripple out in ways we may never see, but it **matters.**

I also wish everyone knew that **they are enough,** exactly as they are, even in the messiest, most imperfect moments. You don't need to earn your worth; it's inherent.

And lastly, I wish people knew that **empathy is a superpower**—when we listen without judgment, when we give someone the space to feel, we don't just help them; we **heal ourselves** too.

**5. Basic and Refined prompts:** "Generate the image of group of deer walking in forest."

**Chatgpt responses:**



### Tabulation comparing the two types of prompting:

Naive and refined/basic prompt:

Aspect	Naive Prompt	Refined/Basic Prompt
<b>Definition</b>	Simple, vague, or ambiguous prompt	Clear, detailed, and structured prompt
<b>Example (Image)</b>	"Deer image"	"A group of white-tailed deer walking along a leaf-covered path in a dense forest"
<b>Example (Text)</b>	"Write about AI"	"Write a 300-word blog post on how AI is transforming healthcare diagnostics in 2025"
<b>Clarity</b>	Low	High
<b>Detail Level</b>	Minimal or missing specifics	Includes specific elements, styles, tone, or context
<b>Control over Output</b>	Low – unpredictable results	High – more accurate and relevant to user's intent
<b>Creativity vs. Focus</b>	Often overly open-ended, may lead to irrelevant outputs	Balanced creativity with relevance
<b>Time Efficiency</b>	May require multiple attempts to get the desired result	Often produces usable output on the first try
<b>Use Case Suitability</b>	Casual exploration or first-time users	Ideal for professional, academic, or high-quality content generation

### Result:

The prompt for the above said problem executed successfully