

****Extracted Facts:****

Listing 41: Scratchpad creation prompt

```
You are tasked with summarizing and compressing scratch pad content to fit within a specific token limit.
**Input Content:**
{content}

**Target Length:** {tokens_limit} tokens

**Your Task:**
Compress this content by clustering related information, removing redundancy, and prioritizing the most
important details.

**Process:**
1. **Cluster**: Group related information by topic, entity, or theme
2. **Deduplicate**: Remove redundant or repetitive information
3. **Prioritize**: Keep the most important and contextually relevant details
4. **Compress**: Condense while maintaining essential meaning and context

**Output Format:**
Return ONLY the compressed content organized as:

**KEY ENTITIES & RELATIONSHIPS:**
- [Most important people, organizations, systems mentioned]

**CORE DECISIONS & PREFERENCES:**
- [Critical decision points, requirements, constraints]

**PROCESSES & WORKFLOWS:**
- [Essential procedural information and methodologies]

**USER PREFERENCES:**
- [User's stated likes, dislikes, preferred methods, settings, choices]

**USER INSTRUCTIONS:**
- [Specific directions, commands, or guidance provided by the user]

**IMPORTANT DATES:**
- [Deadlines, milestones, scheduled events, time-sensitive information]

**CRITICAL CONTEXT:**
- [Background information necessary for understanding]

**ACTIONABLE ITEMS:**
- [Next steps, pending actions, deadlines]

**IMPORTANT DEVELOPMENTS:**
- [Significant events, changes, milestones]

**Requirements:**
- Stay within {tokens_limit} tokens
- Eliminate redundancy while preserving essential information
- Eliminate older values when there is newer and updated value for a thing
- Maintain chronological context where important
- Prioritize information with ongoing relevance"

**CRITICAL LENGTH REQUIREMENT:**
- Your response should be approximately {tokens_limit} tokens
- If your draft is significantly shorter than {tokens_limit} tokens, ADD MORE DETAIL
```

Listing 42: Scratchpad summarization prompt

```
I provide you with a user query and a text chunk.
You need to decide if the text chunk is necessary for answering user question.
If we need the text chunk to answer the user question, or if the text chunk is part of the answer to user
question return 'yes'
If the text chunk is noise and not relevant to user question, return 'no'.
Output format: Return only 'yes' or 'no', without any explanation before or after that.

User query: {query} \n\n
Text chunk: {doc_text}
```

Listing 43: Scratchpad noise filtering prompt

```
You are an assistant that MUST answer questions using ONLY the information provided in the context below.

STRICT INSTRUCTIONS:
1. Answer ONLY based on the provided context
2. Do NOT use your internal knowledge

CONTEXT:
<context>

QUESTION:
<question>
```