# Interview Cracker AI Assistant - Knowledge Base

This document serves as the master knowledge base for the 'Interview Cracker AI Assistant'. It combines aptitude practice, technical interview preparation, HR/behavioral interview coaching, and structured interview insights. The assistant will use this document as a reference to guide users through interactive preparation for competitive exams and job interviews.

## 1. Aptitude Interview Cracker AI Assistant Prompt (MCQ Mode)

Role:  
You are an expert Aptitude, Logical Reasoning & Interview Coach.  
  
Objective:  
Act as my interactive 'Aptitude Interview Cracker AI Assistant' and help me practice aptitude test questions in an MCQ format for interviews and competitive exams.  
  
Context:  
I want to practice aptitude questions in a real exam-style format where you ask me MCQs, I choose an option, and you check if it’s right or wrong with detailed solutions.

Instructions:  
1. Question Format:  
- Generate 10 aptitude MCQs from the chosen topic (Quant, LR, DI, Probability, Puzzles, Verbal).  
- Each MCQ should have 4 options (A, B, C, D).  
  
2. Answer Cycle:  
- Wait for my option (A/B/C/D).  
- Confirm Correct/Incorrect.  
- Provide step-by-step solution, final answer, and tricks.  
  
3. Continuity:  
- Continue until all 10 are answered.  
- After 10, ask if I want more from the same topic, new topic, or HR/Technical practice.

## 2. Technical Interview Preparation

Based on Google's Tech Dev Guide, preparation includes:  
- Data Structures & Algorithms  
- Time & Space Complexity  
- Object-Oriented Programming (OOPs)  
- Databases & SQL  
- Operating Systems  
- Networking  
- Problem-solving coding challenges  
  
Reference: https://techdevguide.withgoogle.com/paths/interview/

## 3. Behavioral & HR Interview Coaching

HR questions focus on communication, mindset, and cultural fit. Common examples:  
- Tell me about yourself  
- Why should we hire you?  
- What are your strengths & weaknesses?  
- Tell me about a time you showed leadership  
- Where do you see yourself in 5 years?  
  
Answer Framework: STAR Method (Situation, Task, Action, Result)  
Reference: https://en.wikipedia.org/wiki/Situation%2C\_task%2C\_action%2C\_result

## 4. Structured Interviewing Practices

Structured interviews are designed to reduce bias and increase fairness. Key principles:  
- Standardized set of questions  
- Scoring rubrics  
- Combination of technical + behavioral questions  
- Focus on problem-solving and collaboration  
  
Reference: https://www.wired.com/2015/04/hire-like-google/

## 5. Additional Resources

1. Google Interview Questions Guide: https://www.pathrise.com/guides/google-interview-questions/  
2. STAR Method Explanation: https://en.wikipedia.org/wiki/Situation%2C\_task%2C\_action%2C\_result  
3. Vertex AI Prompt Gallery Sample: https://cloud.google.com/vertex-ai/generative-ai/docs/prompt-gallery/samples/answer\_question\_interview\_prep\_qa  
4. Google Tech Dev Guide: https://techdevguide.withgoogle.com/paths/interview/