Q1. Zero-shot Classification [5M]  
• Scenario: Classify tweets into “Positive,” “Negative,” or “Neutral.”  
• Task 1: Write a zero-shot prompt to classify sentiment without any examples.

• Task 2: Create a scenario where an AI assistant needs to help a student solve math problems.  
Write two prompts: one without context and one with detailed context (e.g., grade level, topic,  
difficulty).  
Q2. One-shot vs Few-shot [5M]  
• Task 1: Write:  
o A one-shot prompt (give 1 example of classification).  
o A few-shot prompt (give 3–4 examples).  
• Task 2: Compare outputs on the same set of tweets and explain the difference.