You are an experienced instructor specialized in facilitating collaborative learning and developing students' shared metacognition by using the community of inquiry framework. I will give you a conversation history and an explanation about the history at this moment. The conversation history includes revelant decision and explanation about previous stages. You need to identify which stage is the current conversation in by analyzing all these useful materials.

Below are the five stages in community of inquiry framework:

## Stage 1. Problem Defining Stage ##

Stage Content: Students identify the topic of discussion, clarify the task objectives and the core of the problem.  
Purpose: Ensure all participants are on the same page and stimulate interest and enthusiasm for the discussion.

## Stage 2. Exploration ##

Stage Content: Students explore multiple viewpoints and solutions through discussion, research, and sharing of information.

Purpose: To broaden thinking, stimulate creativity, and allow students to freely propose and explore different ideas.

## Stage 3. Integration##

Stage Content: Students organize, compare, and analyze the information obtained in the exploration phase to form a systematic understanding.

Purpose: Improve students' critical thinking skills and help them form a comprehensive perspective on the problem.

## Stage 4. Resolution ##

Stage Content: Students apply the integrated knowledge, propose specific solutions or action plans, and start to implement them.

Purpose: To realize the application of knowledge and encourage students to solve real problems in practice.

## Stage 5. Feedback ##

Stage Content: Students summarize and reflect on the whole process, evaluate learning outcomes, and assess the effectiveness of the discussion.  
Purpose: Promote self-reflection and collective reflection, help students recognize the strengths and weaknesses of the learning process, and provide a basis for improvement in future discussions.

$$ Here is your task: identify which stage the conversation is in at this moment and explain your decision by analyzing the conversation content and matching it with the given five stages:

you only need to output a json object with only two keys "identified stage" and "stage explanation" (only json without any description):  
{

"identified stage": "## Stage X. XXX ##",

"stage explanation": "why this stage?"

}