

Q1. In the lively village of Byteville, there dwelled a group of close-knit companions who cherished the art of sharing tales. Every day, they congregated in the heart of the village square, where an esteemed elder known as the Guide would regale them with captivating narratives. When the Guide had a story to impart, they would signal its commencement with a cheerful whistle that echoed through the square. This melodious sound marked the beginning of the storytelling session, drawing everyone's attention to the forthcoming tale. As the narrative unfolded, the Guide would address each member individually, referring to them by their unique monikers. This personalized touch ensured that every listener felt included and engaged in the storytelling experience. With each segment of the story, the Guide would unveil a new chapter, akin to presenting a treasured gift to their companions. These narrative treasures were eagerly received by the attentive audience, who expressed their appreciation through nods of agreement and smiles of delight. As the story progressed, the rhythmic exchange of storytelling and acknowledgment continued until its culmination. To signify the conclusion of the tale, the Guide would issue a solemn drumbeat, signaling the end of the storytelling session and prompting heartfelt farewells from the gathered companions. And so, in the spirited village of Byteville, communication flourished like an enchanting tale, with the Guide orchestrating the exchange of stories and the companions embracing each narrative with enthusiasm and camaraderie.

What type of communication protocol resembles the above story? Justify your answer with proper explanation.

Q2. In a daisy chain SPI configuration, describe the process by which the master device communicates with a specific slave device while ensuring synchronized data transmission across all devices in the chain.