Approach: The problem entailed configuring switches with VLANs, MAC addresses, and IP addresses, alongside adjusting PC settings to align with these configurations.

Solution:

1. In junior switch, Jack pc is connected with **interface fa0/3** which is administratively down
2. Change the state to up by **interface fa0/3** and **no shutdown**  in config mode
3. In admin switch , bob pc is set to **Half Duplex** , change duplex to full by **interface fa0/3** and  **duplex full** in config mode