**Process Groups in Project Management**

1. **Initiating Process Group**: We form the team, identify the tasks and responsibilities of each member, and define the project's goals at the beginning of the project. The project's foundation will be established at this stage of the process.
2. **Planning Process Group**: Planning is very important as we carefully strategize the development of each module. During this stage, we create a detailed project plan and identify the tools and resources required. This phase involves setting a timetable, milestones, and criteria for success in each project version. We must include all the details in the project plan document, which will serve as our basis for the entire project development.
3. **Executing Process Group**: During this phase, we will put into action the plans developed in the planning stage. This includes writing code for each of the assigned modules or program for the current project version. We will run the c program and document test cases and ensure that everything works as intended.
4. **Monitoring and Controlling Process Group**: We will regularly check the quality of the code and documentation throughout the project. We will review our progress as well and make any necessary changes to stay on schedule. This ensures that we complete the project on time.
5. **Closing Process Group**: The Closing phase becomes more important as we complete each project version. We will carefully assess the work done, ensuring that all deliverables are met, and gather input from the team. This will allow us to learn and improve for future projects.

In summary, these Process Groups are essential for creating a bug-free console application that demonstrates the required string operations in C and meets the project version requirements. We must handle each of these Process Groups effectively to ensure that the project progresses in the right direction, stays on schedule, and becomes successful.