the process of program development refers to the statematic script of steps or stages that software developers follow to design, create, test, and maintain a software program. These stages ensure that the program is well-designed, functional, and efficient, while also meeting the needs of its users. Each step bunks upon the previous one, and the process often iterative, meaning developers may revisit earlier stages as the project progresses. Key Phases in the Process of Program Development The Requirement Analysis: This is the first phase where developers gather and analyze the needs of the end-users. The goal is to understand the problem the software is intended to solve and translate these needs into clear, actionable, specifications. This phase involves interacting with stakebooks stakeholders (such as clients, users, and other involved parties) to define the program's requirements. 2. System Pesign: After understanding the requirements, developers create a design for the softmere. The design outlines how the program will enlive