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Concurrent programming is complex and demands a much more formal approach than sequential programming. In order to develop a thorough understanding of the topic Magee and Kramer present concepts, techniques and problems through a variety of forms: informal descriptions, illustrative examples, abstract models and concrete Java examples.

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execution of a program (or subprogram) is termed a processand the execution of a concurrent program thus consists of multiple processes. In this chapter, we define how processes can be modeled as finite state We then describe how processes can be programmed as threads, the form of process supported by Java. 2.1 Modeling Processes

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concurrent processes Concept of a process as a sequence of actions. Model processes as finite state machines. Program processes as threads in Java.

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The wide acceptance of Java with in-build concurrency constructs provide opportunity for the public to develop their very own concurrent programs/application which was previously available for big company. Concurrency is essential for developing applications which requires responsiveness and throughput. Simple Example to understand Concurrency

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