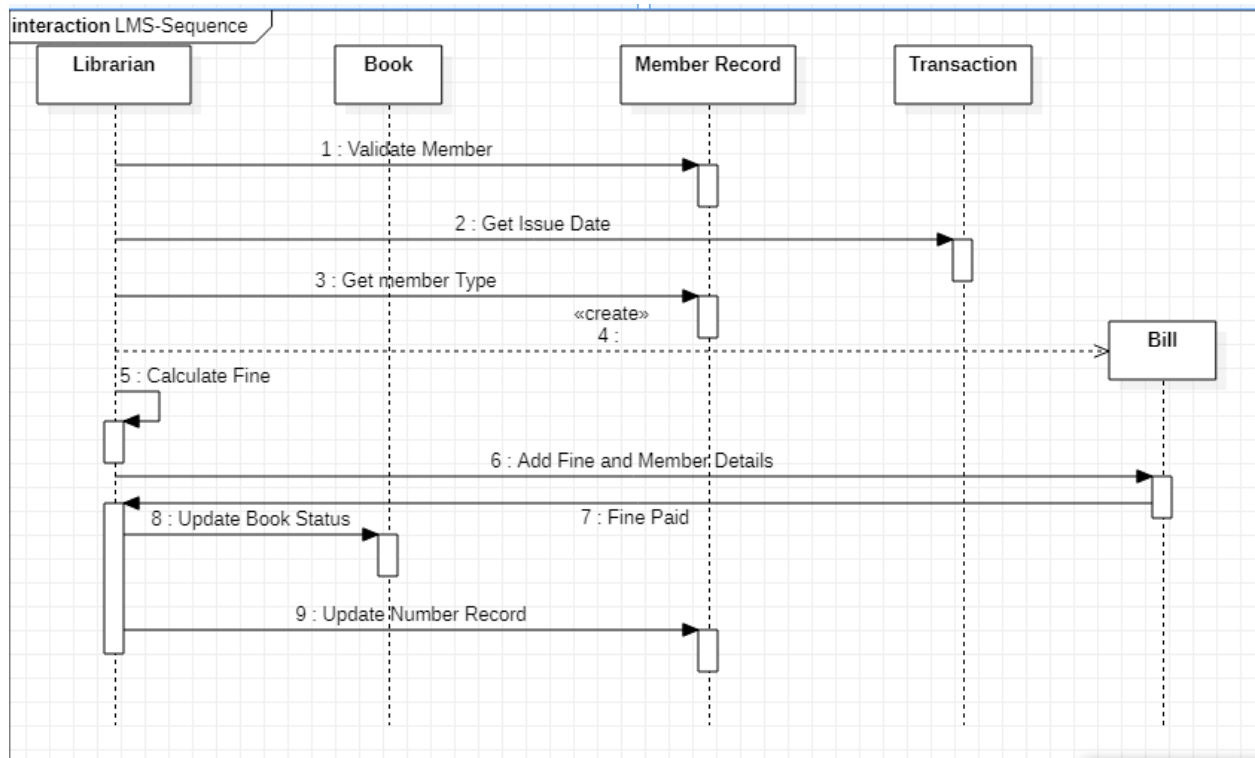


Sequence Diagram – Practical 7

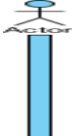


Practical 7

Draw the behavioral view diagram for the Library Management system: Sequence diagram

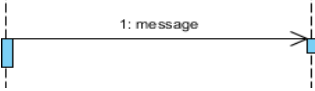
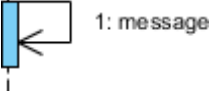


Sequence Diagrams are interaction diagrams that detail how operations are carried out. They capture the interaction between objects in the context of a collaboration. Sequence Diagrams are time focus and they show the order of the interaction visually by using the vertical axis of the diagram to represent time what messages are sent and when.

Sequence Diagram Notations:

Tool Name	Description	Notation
Actor	A type of role played by an entity that interacts with the subject (e.g., by exchanging signals and data)	
Lifeline	A lifeline represents an individual participant in the Interaction.	
Association	Associations are relationships between classes in a UML Class Diagram. They are represented by a solid line between classes.	

Sequence Diagram – Practical 7

Call Message	A message defines a particular communication between Lifelines of an Interaction.	 A UML Call Message diagram showing two vertical dashed lifelines. A horizontal arrow points from a small blue rectangle on the first lifeline to a small blue rectangle on the second lifeline. The text "1: message" is written above the arrow.
Self Message	A message defines a particular communication between Lifelines of an Interaction.	 A UML Self Message diagram showing a single vertical dashed lifeline. A small blue rectangle is on the lifeline. A horizontal arrow points from the rectangle to a small box, and another arrow points from the box back to the rectangle. The text "1: message" is written to the right of the box.