Sr.	Project details
1	**Real-Life Application: Inventory Management System**

	Problem Statement:
	 Create an inventory management system for a small store using arrays in C. The system should allow the store owner to perform the following operations on the inventory:
	    I. Insertion: Add a new item to the inventory.
	   II. Deletion: Remove an item from the inventory.
	  III. Searching: Search for an item by its ID.
	  IV. Updating: Update the quantity or price of an item.
	   V. Traversal: Display all items in the inventory.

2	**Real-Life Stack Application: Undo Functionality in a Text Editor**

	Problem Statement:
	 A simple text editor maintains a history of actions so the user can undo their last operation. Implement a stack-based undo feature in C where:
	    I. A user can type a word and add it to the document.
	   II. The user can undo the last action (remove the last word typed).
	  III. The program maintains a history of words using a stack.
	 Explanation:
	  1. Stack Implementation:
	    • Uses a character array to store words.
	    • Uses push() to add words.
	    • Uses pop() to remove the last added word (undo feature).
	    • Uses display() to show the document.
	  2. Operations:
	    • Adding a word: User inputs a word, and it is pushed onto the stack.
	    • Undoing (removing last word): The last word is popped from the stack.
	    • Displaying document: Shows all words in order.

3	**Simple Online Store Order Management System**

	Problem Statement:
	 Create a simple Online Store Order Management System in C. This program allows users to use the following functionalities
	    I. Add Order – Customers place orders.
	   II. Process Order – Orders are served in FIFO order.
	  III. Display Orders – Shows pending orders.
	  IV. Search Order – Finds an order by ID.
	   V. Exit – Ends the system.