

## Assignment -6

Write a program that creates an integer array of 10 elements, stores the values into a file, and then retrieves them to display on the console.

Create a list of strings, save it into a file, and then read the file to retrieve the list and display the strings on the console.

Sort an array of objects (e.g., Student) and store them to a file.

Create a dictionary of <string, int> pairs representing names and ages. Save the dictionary to a file, and retrieve the data to display it in a readable format.

Prompt the user to enter 5 integers, store them in an array, write the array to a file, and then retrieve and display the array from the file.

Create a List<Product> class with properties name, price, and quantity. Save the list to a file and retrieve it to display the details of each product.

Create an array of objects representing employees. Store the array to a file and retrieve it,

Create an array of random integers, sort it using a sorting algorithm, and store the sorted array into a file. Later, retrieve and display the sorted array.

Create a list of book titles and authors, store it in a text file, and later retrieve and display the list in a formatted output.

Create a 2D array of integers, write it to a file in a specific format, and retrieve it back to display as a matrix.

Create a queue of integers, write the queue to a file, and then read and display the values in the queue after retrieving them.

Create a list of tuples where each tuple contains a name, age, and city. Store the list into a file, and retrieve and display each tuple.

Define a structure Student with id, name, and marks. Create an array of structures, save it to a file, and later retrieve the structure data.

Implement a program that uses a stack of strings to store a sequence of user-entered words. Write the stack to a file and later read the file to display the stack contents.

Create a list of DateTime objects, save the dates to a text file in a specific format, and retrieve them back from the file to display the dates in a readable format.