Assignment - Array

1. Use multi-dimensional array to implement a memory, initialize and print its content. Pack the array, access least 3 bytes, complement them and again store at the same locations.

2. Write a snippet to perform the following:

Add 50 integer values at random locations (between 1 to 100) of an integer associative array.

Check value at index 2 and 45 exists?

Print the value at first index along with index.

Print the value at last index along with index.

Check the array size.

Delete 5th, 10th and 15th index if they exist.

Print array size again.

3. Write a snippet to perform the following:

Declare an integer queue.

Initialize it with five elements (0 to 4).

Insert an element at beginning without any method.

Insert an element at beginning using predefined queue method.

Insert an element at the end using predefined queue method.

Insert an element at index - 4.

Get 1st element in queue.

Get last element in queue.

Delete an element at index - 4 in queue.

Get each element from queue and print using predefined queue method.

Use a method to print queue after each of the above operations.

4. Write a snippet to perform the following:

Randomize the content of array.

Add all the odd numbers of array without using any method.

Add all the even numbers of array using methods.

Find how many numbers are less than 10 in array with and without method.