



ASSIGNMENT (11)

- For each of the following, define a function then call it to display the output:

1. Write a function that prints a given array in a reversed order.
public static void Print(int A[])
2. Write a function that calculates the average of a given array.
public static double Average(int A[])
3. Write a function that returns the highest value within a given array.
public static int Maximum(int A[])
4. Write a function that determines if a number exists within the array or not.
public static boolean Search(int A[], int key)
5. Write a function that merges two arrays of different sizes. (This function only merges the two arrays, and the main function prints the returned merged array).
public static int[] Merge(int A[], int B[])
6. Write a function that sorts an array. (This function only sorts the array but does not print the sorted array. The main function prints the array after sorting it).
public static void Sort(int A[])
7. Write a function that prints the diagonal elements in a 2D Array.
public static void PrintDiagonal(int A[][])
8. Write a function that prints a 2D Array, a column after another.
public static void PrintColumnar(int A[][])
9. Write a function that calculates the average of a given 2D Array.
public static double Average(int A[][])
10. Write a function that calculates the highest value of a 2D Array.
public static int Maximum(int A[][])
11. Write a function that calculates the highest value of a given row in a 2D Array.
public static int RowMax(int A[][], int row)
12. Write a function that calculates the average of a given column in a 2D Array.
public static double ColumnAvg(int A[][], int column)
13. Write a function that calculates the sum of the elements that surround a specified element in a 2D Array.
public static int SurroundingSum(int A[][], int row, int column)