

C Language

Lab Work

Chapter - 8

Array in Detail

RED & WHITE MULTIMEDIA EDUCATION

Shaping “skills” for “scaling” higher...!!!

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Lab Work #8.1

| Sr. No. | Question |
|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Q.1 | <p>Write a Program to find the length of a 1D array.</p> <p>For example,</p> <p>Input:</p> <p>Enter array size: 5</p> <p>Enter array elements:</p> <p>a[0] = 3</p> <p>a[1] = 7</p> <p>a[2] = 1</p> <p>a[3] = 8</p> <p>a[4] = 6</p> <p>Output:</p> <p>Length of an Array: 5</p> |
| Q.2 | <p>Write a Program to find the average of a 1D array.</p> <p>For example,</p> <p>Input:</p> <p>Enter array size: 5</p> <p>Enter array elements:</p> <p>a[0] = 12</p> <p>a[1] = 42</p> <p>a[2] = 18</p> <p>a[3] = 50</p> <p>a[4] = 26</p> <p>Output:</p> <p>Average of an Array: 29.6</p> |
| Q.3 | <p>Write a Program to perform the addition operation of two 1D arrays & store it in another array. Keep in mind that both array sizes must be the same.</p> <p>For example,</p> <p>Input:</p> <p>Enter array size: 5</p> <p>Enter array A's elements:</p> <p>a[0] = 7</p> <p>a[1] = 4</p> <p>a[2] = 9</p> |

a[3] = 5

a[4] = 2

Enter array B's elements:

b[0] = 1

b[1] = 3

b[2] = 1

b[3] = 7

b[4] = 3

Output:

Array C is: 8, 7, 10, 12, 5