



Aror University of Art, Architecture, Design & Heritage Sukkur.

Department of Artificial Intelligence and Multimedia Gaming

Object Oriented Programming (Spring-2024)

LAB NO 03

Prepared by: Muhammad Raees

Objective of Lab No. 3:

After Completion of tasks performed in lab1, students will be able to:

- Array declaration
- User defined size array
- Performing different operations on different arrays
- Sorting an array[Numeric]
- 2D Arrays with Loops
- Use of real life problem solving using Arrays
- Use of Strings with an Array

Focus: Must Follow the Class Lecture of Arrays

Lab Tasks:

Task : 01 Create an Array of marks, from the user using any loop and then calculate the percentage.

Task : 02 Create 2D Array, take values from the user and your program must calculate as total the all diagonal elements.

Task 03 : Write a program to sort an array. Use your logic, Assume User enters 5 elements and your program sorts it in Ascending Order.

[Hint : use <, or, > Operators.]



Aror University of Art, Architecture, Design & Heritage Sukkur.

Task : 04 Create a Basic program Calculator of DMAS operations. Use an Array to get 4 basic symbols, Use that Particular index for operation desired by the user. Take 2 input from the user.

Task 05: Write a program to find ODD Numbers from the 2D Array. Your program must display the Exact Number of ODD Numbers and display them too on their particular index

Task 06: See the below Program, Use 2d array to find Prime Numbers [upto 1 to 99].

55	66	77
11	3	4
6	9	10

In Above matrix, we have found 2 Prime Numbers.

<u>Index</u>	<u>Prime Value</u>
--------------	--------------------

1,0	11
1,1	3

Task 07: Create a program of String using array of the characters and simply display to user. [Its Quite Simple one! ☺]



Aror University of Art, Architecture, Design & Heritage Sukkur.

*****Thanks*****