

C programming lab questions on 30/9/2024

Title: Programs using loop statements and Arrays

Preparation questions

1. Write a program to read an array of integers and find their sum and display it
2. Write a program to count the number of even number and odd number in a given array of numbers.
3. Write a program to read an array of integer and display it in reverse order.
4. Write a program to count the number of vowels in a given array of characters.
5. Write a program to print tables from 2 to 9 in the below format.

1*5=5

2*5=10

6. Write a program to generate the following patterns

a) 1
 1 2
 1 2 3
 1 2 3 4

b) *
 * * *
 * * * * *
 * * * * * * *

Execution questions

1. Write a program to copy an integer array into another integer array.
2. Write a program to read an integer array and copy only the even numbers of that array into another array.
3. Write a program to search for a given number in an integer array.
4. Write a program to find biggest number in an array of numbers and replace it with number 0
5. Write a program to print the below pattern

1
2 1 2
3 2 1 2 3

Spot

1. Write a program to find the intersection of two arrays