

## Array operations

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45 Program to  
perform Linear search on an array.

46 Program  
to generate reverse array for a given array.

47 Program  
to perform Matrix Operations (switch-case): Addition, Subtraction,  
Multiplication and Transpose

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## String Manipulation

48 Program  
to read character array using getchar() in do-while loop and print it.  
Find  
its length and number of vowels (Case-sensitive)

49 Program  
to find reverse of a string (without inbuilt function.)

50 Program  
to compare and concatenate two string (without  
inbuilt function)

51 Program  
to copy a string to another string (without inbuilt function.)

52 Program  
to show the use of string function: strcpy(), strcat(), strcmp(), strlen().

53 Program  
to find if a given string is palindrome or not.