

Tutorial-6

EEN-103

1. Write a function that uses pointers to search for the address of a given integer in a given array. If the given integer is found, the function returns its address; otherwise it returns NULL.
2. A company has 4 sales persons (1 to 4) who sell five different products (1 to 5). Once a day every salesperson gives a slip for each product sold, containing information as follows:
 - Salesperson number.
 - Product number.
 - Total value of product sold in Rs. (integer).

Use a 2-dimensional array called sales to represent the data and write a program to take the slip information from salesperson and put it in appropriate position in the 2-D array.

3. Write a program to multiply two arrays A and B . If the sizes of the matrices are not compatible for multiplication, display an error message. Use functions to compute the result of the multiplication.
4. Write a program to first take the values of a 4×4 matrix from the user. Then use a function to compute the determinant of that matrix.
5. Write a program to reverse a string using pointers and functions.
6. Write a program that:
 - Takes a string as an input from the user.
 - Arranges the characters in the string in alphabetically order (capital letters are to be assumed to be ahead of small letters in the order).
 - Uses pointers to assign new places to the characters.