Chapter 7 - Practice Set

1 Create an array of 10 numbers. Verify using pointer arithmetic that (ptr+2) points to the third element where ptr is a pointer pointing to the first element of the array.

2 If S[3] is a 1-D array of integers then *(S+3) refers to the third element:

(i) True

(ii) False

(iii) Depends.

3 Write a program to create an array of 10 integers and store multiplication table of 5 in it.

4 Repeat Problem 3 for a general input provided by the user using scanf.

5 Write a program containing a function which reverses the array passed to it.

6 Write a program containing function which counts the number of positive integers in an array.

7 Create an array of size 3 x 10 containing multiplication tables of the numbers 2, 7 and 9 respectively.

8. Repeat problem 7 for a custom input given by the user.

9. Create a three-dimensional array and print the address of its elements in increasing order.