

CSE 110 Computer Programming Sessional

Practice Problem on Pointer

1. Write a program that creates, initializes and uses a pointer to each basic data type.
2. Write a program in C to add two numbers using pointers.
3. Write a program to test the effect of increment operator on pointer to each basic data type.
4. Using pointer arithmetic,
 - a. Write a C program to take input and print elements of an array.
 - b. Write a C program to copy one array to another.
 - c. Write a program to search for an element in an array.
 - d. Write a program to print the reverse of a string.
5. Write a C program to sort an array using pointers.
6. Write a C program to concatenate two strings using pointers.
7. Write a C program to access two dimensional array using pointers.
8. Write a program to dynamically allocate a two dimensional (m*n) array. Take the dimensions m and n as input.
9. Write a program to dynamically allocate a variable length two dimensional array. Take the number of array and the number of elements in each array as input.
10. Write a function that to swaps two numbers using pointers.
11. Write a function `char *makeCopy(char * c)` that creates a new copy of a string and returns the pointer to the copy. Dynamically allocate the memory for the copy.