



Indian Institute of Information Technology, Vadodara
International Campus Diu
Operating Systems Lab
(CS363)

Assignment 1
(Pointers and File handling)

Date: 02/09/2024

Submit by: 05/09/2024

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1. Write a program to display address of an integer variable, character variable and string variable using pointers.
 2. Write a program to add two integers using pointers.
 3. Write a program to find the maximum number between two numbers using pointers.
 4. Write a program to store n elements in an array and print the elements using pointers.
 5. Write a program to calculate the length of the string using pointer.
 6. Write a program to sort an array using pointers.
 7. Write a program in C to create and store information in a text file.
 8. Write a program in C to count a number of words and characters in a file.
 9. Write a program in C to merge two files and write it in a new file.
 10. Write a C program that prints out all its command-line arguments except those that begin with a dash. Hint: find out about argc and argv.
If all arguments begin with a dash, or if there are no arguments at all, print nothing.
 11. Write C program which will read characters containing non-alphanumeric characters from its standard input stdin, count the number of NON-alphabetic, lower case, and upper case characters including the newlines that is, count those characters not in the a-z range nor in the A-Z range, and display the count onto the screen. Remove all the non-alphanumeric characters from the string and write out all characters into the file. Take the input from user and write the output into a file.
 12. Write a C program to read the input from the file generated from previous question and rotate all the alphabets by 13 positions.

Best wishes