

Assignment 6 (Strings and pointers)

1. WAP to print the address/values of the different variables (int,float,char) using & and * operators.
2. WAP to find out the difference between %u, %p, %x while printing the address of a variable.
3. Check the size of various pointer variables for int, char, float etc.
4. Verify the addresses of adjacent elements stored in an array of char, int, float.
5. Swap variables using pointers and functions.
6. WAP to pass and return an array out of a function.
7. WAP for dynamic memory allocation using malloc() and free().
8. What is dynamic memory allocation? Practice malloc(), calloc(), realloc() and free() functions.
9. WAP to copy one string to another string with and without using the string handling function.
10. WAP for the following

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11. WAP to concatenate two strings and compare two strings.
12. Count vowels in a given string.