

Logic Building and Problem Solving Assignment - 4

1. Write a C Program to swap 2 numbers without using third variable using pointers

Expected Output :

Enter number1 : 10

Enter number2 : 20

Before Swap : number1 is 10 and number2 is 20

After Swap : number1 is 20 and number2 is 10

2. Write a C Program to swap 2 numbers with using third variable and use call by reference.

Expected Output :

Enter number1 : 50

Enter number2 : 60

Before Swap : number1 is 50 and number2 is 60

After Swap : number1 is 60 and number2 is 50

3. Write a C program that declares and initializes (to any value you like) a char, an int, a double and a float.

Your program should then print the address of, and value stored in, each of the variables.

Use the format string "%u" [%p in hex] to print the addresses as unsigned integers.

Hint: You can use the character "&" to find addresses.

4. Write a C program to declare an integer and an integer pointer to it. Initialize the integer variable. Print the value of the int variable using pointer variable.

Hint: You can use dereferencing operator *.