

# Shri Swaminarayan College of Computer Science

SY BCA: Data Structure

Lab Assignment: 2

Date:

Submission:

Topic: **Pointers**

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**Write the following functions using pointers:**

- 1) Swap (), to interchanges the values of two integer variables.
- 2) Scan (), to input an integer array from user.
- 3) Print (), to display an integer array on console.
- 4) Strlen (), to find the length of a string.
- 5) Strcpy (), to copy one string into a char array (string).
- 6) Strcat (), to concatenate two strings.
- 7) strcmp\_len(), to compare length of two string
- 8) Strcmp (), to compare two strings lexicographically.
- 9) Strcmpi (), that is non case-sensitive version of strcmp ().
- 10) Strswap (), to interchange to strings.
- 11) Find (), to find a word within a string.
- 12) void strShiftLeft(char\* **s**,int **pos**,int **offset**), that shifts string **s** to **offset** steps left  
From the position **pos**.
- 13) strShiftRight(char\* **s**,int **pos**,int **offset**), that shifts string **s** to **offset** steps right  
From the position **pos**.
- 14) replace (), to replace a word with a given word in a string.
- 15) multiply(), to multiply all the elements of an integer array with a given value.
- 16) strsort(), to sort an array of strings.