**A blue and yellow logo

Description automatically generated with low confidence San Francisco Bay University**

**Lab 8 Basic Programming Questions in C Language**

**Due day: 3/24/2023**

**Instruction:**

1. **Push the source code to Github platform.**
2. **Please follow the code style rule like programs on handout.**
3. **Overdue homework submission could not be accepted.**

**4. Takes academic honesty and integrity seriously (Zero Tolerance of Cheating & Plagiarism)**

1. Write program to call two functions as follows to get bigger numbers from *2* input arguments and *3* input arguments.

int \*biggest\_of\_two(int\*, int\*);

int \*biggest\_of\_three(int\*, int\*, int\*);

1. Find quotient and remainder of division calculation by function with 2 integers and pointers as follows

void div\_rem(int a, int b, int \*quotient, int \*remains);

1. Write a program in C to calculate the length of the string using a pointer.

*Output:*

*Input a string : pointers*

*The length of the given string pointers is:8*

1. Write a program in C to print a string in reverse using a pointer.

*Output:*

*nput a string : pointers*

*Reverse of the string is : sretniop*

1. Write a program to read a sentence and count the number of characters &words in that sentence.

*Output:*

*Enter a sentence: we are learning C language*

*Total number of words: 5*

*Number of characters for each: 2 3 8 1 8*

1. Write a program to read a sentence & delete all the white spaces. Replace all "." by ":".
2. Write a program to concatenate two strings.
3. Write a program in C to find the factorial of a given number using pointers.

*Output:  
 Input a number: 5*

*5’s factorial: 120*

1. How to return multiple values from function in C programming

Hint: return array to a function

1. Write a program that would sort a list of names in alphabetical order

*Output:*

*Enter names: Ananda murugan renuka devi shri*

*alphabetical list:*

*Ananda*

*devi*

*murugan*

*renuka*

*shri*