Hi All,

I'm glad to start this activity with you all.

We're initiating few C programming assignments to be performed in spare time.

I'm sure that you guys will enjoy these assignments.

**TASK 1: Select any menu-driven application of your choice which will implement and use following functions in C:**

strcat - concatenate two strings

strchr - string scanning operation

strcmp - compare two strings

strcpy - copy a string

strlen - get string length

strstr - Find a substring

strtok - Split a string into tokens

memchr - Find a byte in memory

memcmp - Compare bytes in memory

memcpy - Copy bytes in memory

memset - Set bytes in memory

**Expected Outcome:**

1) Each individual should have unique application selected. No two individuals should select same application

2) All mentioned functions should be implemented by the programmer and not copied from internet

3) Optimization in terms of memory and time would be preferred.

4) Make sure that, your code is readable and clean. Commented and dead codes are not preferred.

**Please Note:**

- **This is an extra activity to be performed in spare time and it should not hamper your daily work schedule.**

**If you have any issues please come forward and ask.**

- Code should be complete, otherwise don't submit

- Use this opportunity to showcase your programming skills and come up with best of your abilities

- We have deadlines for this activity as well:

       - Initial 2 days (Till Wednesday) after this mail will be kept for discussing this problem statement.

       - Need to finish this activity as early as you can (**remember without affecting your daily project work**).

**VERY IMPORTANT:**

**- Ask questions to me or any of your leads, if you are really not clear about anything.**

**- Initial few days I expect everyone to come and ask what have they understood.**

**- Do not start activity without understanding.**

Do all these things in time as per order.

Submit assignment within two days.