

**ASSIGNMENT – 1**  
**CSE-231 OPERATING SYSTEMS**  
**REFRESHER MODULE**

**Total Marks: 25**

**Instructions:**

1. Each question is of 5 marks.
  2. All questions have to be attempted.
  3. Submit .pdf on gc (details will be shared soon) using nomenclature as  
    <RollNo>\_Assn1.pdf
  4. Last date of submission is 5 October.
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1. Write a C program the 'cp' program that takes arguments as source and destination filenames and copies the source to the destination. You need to use the functions fread and fwrite. Note that the file may or may not be in text format.
2. Store a 256-bit unsigned integer number on a 32 byte character array. Add two such 256-bit numbers and print the result.
3. Write a C program to Swap elements of two variables and two arrays.
4. Write a program to reverse a string, without using any functions from <string.h> header.
5. [Binary search and overflow] Write a program with a function that performs binary search. Assume that the elements of the array are unsigned integers, and the following elements are present along with other elements in the array: 4294967290, 4294967295, 10400.