***Programming in C Assignments***

1. Write a ‘C’ program to rotate a string .

i/p : hello

o/p: hello , elloh , llohe , lohel , ohell , hello

1. Write a ‘C‘ program to reverse a sentence .

i/p :I am a student

o/p: I ma a tneduts.

1. Write a ‘C’ program to generate magic matrix.

|  |  |  |
| --- | --- | --- |
| 1 | 2 | 3 |
| 4 | 5 | 6 |
| 7 | 8 | 9 |

i/p :

|  |  |  |  |
| --- | --- | --- | --- |
| 1 | 2 | 3 | **6** |
| 4 | 5 | 6 | **15** |
| 7 | 8 | 9 | **24** |
| **12** | **15** | **18** | **45** |

o/p:

1. Write a ‘C’ program reverse contents of a file & store in another file.
2. Write a ‘C’ program to count no. of vowels, words, character, lines, tabs etc… in a file. [input file name from user]
3. Write a ‘C’ program to remove all comments from a file & show output on console.
4. Write a ‘C’ program using function to search a name in given collection names.

intsearchName(char \*\* namesarr, char\* sername);

1. Write a ‘C’ program to allocate dynamic memory for 2D char array i.e. to store n names of students using dynamic memory.
2. Write a ‘C’ program using structure to create a structure Book(bid,bname,price,author).

Write functions to work with file bookrec.txt

1. Add Book Record to file.
2. Delete Book from file
3. Update Book details
4. Show All Books from File.
5. Write a ‘C’ program to read a file & copy alternate words from file into another file.