WORD PROGRAM:

#include <stdio.h>

#include <string.h>

int fact(int n)

{

    return (n <= 1)? 1 :n \* fact(n-1);

}

int findSmallerInRight(char\* str, int low, int high)

{

    int countRight = 0, i;

    for (i = low+1; i <= high; ++i)

        if (str[i] < str[low])

            ++countRight;

    return countRight;

}

int findRank (char\* str)

{

    int len = strlen(str);

    int mul = fact(len);

    int rank = 1;

    int countRight;

    int i;

    for (i = 0; i < len; ++i)

    {

        mul /= len - i;

        countRight = findSmallerInRight(str, i, len-1);

        rank += countRight \* mul ;

    }

    return rank;

}

int main()

{

    char str[] = "string";

    printf ("%d", findRank(str));

    return 0;

}