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#include <stdio.h>
#include <string.h>
#include <stdlib.h>
int checkRotations(char *str1, char *str2)
{
       int len1 = strlen(str1);
       int len2 = strlen(str2);
       char *temp;
       void *ptr;
       if (len1 != len2)
               return 0;
       temp = (char *)malloc(sizeof(char)*(len1*2 + 1));
       temp[0] = '\ 0';
       //concatinating string1
       strcat(temp, str1);
       strcat(temp, str1);
       //check string2 is substring of temp or not
       ptr = strstr(temp, str2);
       free(temp);
       return ptr ? 1: 0;
}
int main()
{
       char str1[100], str2[100];
       printf("Enter string1");
       scanf("%s", str1);
       printf("Enter string2");
       scanf("%s", str2);
       if (checkRotations(str1, str2))
               printf("Strings are rotations of each other\n");
       else
               printf("Strings are not rotations to each other");
       return 0;
}
Time complexity: O(n)
Space complexity: O(n)
```