

Q3

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#include <stdio.h>
#include <string.h>
#include <ctype.h>

main()
{
    int i, j, len1, len2, numstr[100], numkey[100], numcipher[100];
    char str[100], key[100], cipher[100];
    printf("Enter a string text to encrypt\n");
    gets(str);
    for (i = 0; i < strlen(str); i++)
    {
        if (str[i] != ' ')
        {
            str[j] = '\0';
            for (i = 0; i < strlen(str); i++)
            {
                numstr[i] = str[i] - 'A';
            }
            printf("Enter key string of random text\n");
            gets(key);
            for (i = 0; i < strlen(key); i++)
            {
                if (key[i] != ' ')
                {
                    key[j] = toupper(key[i]);
                    j++;
                }
            }
            key[j] = '\0';
            for (i = 0; i < strlen(key); i++)
            {
                numkey[i] = key[i] - 'A';
            }
            for (i = 0; i < strlen(str); i++)
            {
                numcipher[i] = numstr[i] + numkey[i];
            }
        }
    }
}

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    for (i=0; i < strlen(s1); i++) (2)
    {
        numcipher[i] = 25;
        numcipher[i] = numcipher[i] - 25;
    }
    printf("OneTime pad cipher text is\n");
    for (i=0; i < strlen(s1); i++)
    {
        printf("%c", (numcipher[i] + 'A'));
    }
    printf("\n");
}
}
}

```