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02 BscIT

Information
Security

2) OTP Method →

```c
#    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 ");
        gets(str);
        for(i=0, j=0, i<strlen(str); i++)
        { if(str[i]!=' ')
            {
                str[j] = toupper(str[i]);
                j++;
            }
        }
        str[j] = '\0';
```

```c
for (i = 0, i < strlen(str), i++)
{
    numstr[i] = str[i] - 'A';
}
printf("Enter key");
gets(key);
for (i = 0, j = 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];
}
printf("\n");
}
```