Roll no - 1 112 2 7 16(06) Hoyl

O121 write aprogram to implement one time bad LOTP) Method

in clude < gtdio. n # include < storing. h>

include < ctype. h>

int main ()

¿ int i, t, lend, lend mumster [100] numkey[00] , num ciphen CLOOT;

char star C1007, Key E1007, cither [100];

points ("Enter a storing text to enought(h"); 8-ets (Et a);

for Ci=0; 1=0; ix cotorlen (stor); i++).

in (startidie 1)

E starcy] = double = (charcis);

3 20/0 = (10)

for (i=0; i< starlancstar); i++)

('A & - Ci J R + 2 = [[] J R + 2 mm 3 Parints ("enter key string (n");

gets chey);

Hollno-1022716

for ci=0; t=0; iz storlen (key); it+) ر أج (Key ci]!= ١١) { Key [] = touppea [Key [i]); 3 Kelt Cf J = (10): for (i=a; i zstorlen (key); itt) E numikey [i] = Key [i] -'A'; forci=0; il stalen (sta); it+) { hum ciphear [i] = humstati]+ humbery [i]. for (i=o; ix starlen(star); i++) · ¿ it (numaphen ci 5 >25) { huncipher [i] = huncipher [i]-26; Prints ("one Time bad Ciphentext is In"). for (i=0 jil < starlen(star); it+). & points ((1.1.c), trumcipherci]+ (A')); 3 points ("612");

```
C:\Users\goswa\Desktop\ds>gcc otp.c -o otp.exe
C:\Users\goswa\Desktop\ds>otp.exe
Enter a string text to encrypt
one time pad
Enter key string
perfect
One Time Pad Cipher text is
DRVYMOX8Aj
C:\Users\goswa\Desktop\ds>
```