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AKASH'S

2.

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

main()
{
int i, j, len2, numstr[100], numkey[100], numcipher[100];
char str[100], key[100], cipher[100];

printf("Enter the string to encrypt");
gets(str);

for(i=0; j=0; i<strlen(str); i++)
{
if(str[i]!='')
{
str[j]=toupper(str[i]);
j++;
}
}
str[j]='\0';

for(i=0; i<strlen(str); i++)
{
numstr[i] = str[i] - 'A';
}

printf("Enter key string");
gets(key);

for(i=0, j=0; i<strlen(key); i++)
{

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```
if (key[i] != "\0")  
{  
    key[j] = toupper(key[i]);  
    j++;  
}  
key[j] = '\0';  
for (i = 0; i < strlen(key); i++)  
{  
    wmkkey[i] = key[i] - 'A';  
}  
for (i = 0; i < strlen(str); i++)  
{  
    wmcipher[i] = wustr[i] + wmkkey[i];  
}  
for (i = 0; i < strlen(str); i++)  
{  
    if (wmcipher[i] > 25)  
    {  
        wmcipher[i] = wmcipher[i] - 26;  
    }  
}  
printf("One Time Pad Cipher text is \n");  
for (i = 0; i < strlen(str); i++)  
{  
    printf("%c", (wmcipher[i] + 'A'));  
}  
printf("\n");  
}
```


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Output

Enter a string text to encrypt

One time pad

Enter key string of random text
perfect

One time pad cipher text is

DRV4MOXB~~BA~~U

Akash's

```
File Edit Selection View Go Run Terminal Help
program.c - Visual Studio Code

C program.c X
C: > Users > AKASH SHUKLA > Desktop > C program.c
15     str[j]=toupper(str[i]);
16     j++;
17 }
18 }
19 str[j]='\0';

TERMINAL OUTPUT PROBLEMS DEBUG CONSOLE
C:\Users\AKASH SHUKLA\Desktop>gcc program.c
program.c:4:1: warning: return type defaults to 'int' [-Wimplicit-int]
4 | main()
  | ~~~~
C:\Users\AKASH SHUKLA\Desktop>a.exe
Enter a string text to encrypt
one time pad
Enter key string of random text
perfect
One Time Pad Cipher text is
DRVVMQ824u
C:\Users\AKASH SHUKLA\Desktop>
```