

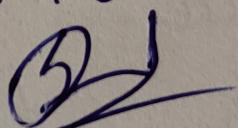
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Cause - B.Sc IT

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Subject - Information Security  
And cyber law practical

Date - 17/6/21

Sign - 



SHOT ON POCO X3

```

2) #include <stdio.h>
    #include <string.h>
    #include <ctype.h>
    int 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, 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 of random text\n");
        gets(key);
        for(i=0, j=0; i<strlen(key); i++)
        {
            if(key[i] == ' ')
                break;
        }
    }

```

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



```
");i++)
'';
string of ran
ey);i++)
());
one time pad
);
'i++)
[i]+numkey[
within 25
);i++)
)
ipher[i]-26;
! Cipher tex
);i++)
ipher[i]+'A'));
```

```
 Select C:\Users\ashuc\OneDrive\Desktop\otp.exe
Enter a string text to encrypt
one time pad
Enter key string of random text
perfect
One Time Pad Cipher text is
DRVYMOXP[D
-----
Process exited after 37.04 seconds with return value 0
Press any key to continue . . .
```