

ASSIGNMENT-3Aim: Monoalphabetic CipherCode:

```
#include<stdio.h>

#include<conio.h>

#include<string.h>

void main()

{

    char pt[26]='A','B','C','D','E','F','G','H','I','J','K','L','M','N','O','P','Q','R','S','T','U','V','W','X','Y','Z';

    char ct[26]='B','D','C','F','G','H','C','A','K','L','M','J','N','E','P','O','I','Y','T','X','V','U','Z','Q','R','S'

};

    char p[20]='\0',c[20]='\0',r[20]='\0';

    int i,j;


    printf("\n Enter the text:");

    gets(p);

    //encryption

    for(i=0;i<strlen(p);i++)

    {

        for(j=0;j<26;j++)

        {

            if(pt[j]==p[i])

            {

                c[i]=ct[j];

            }

        }

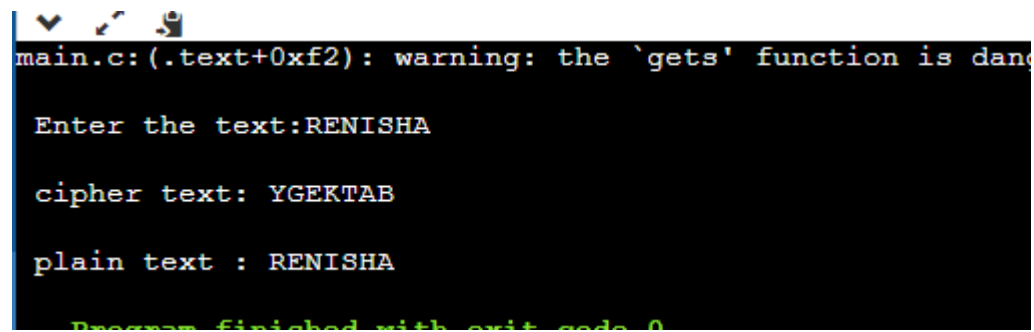
    }

    printf("\n cipher text: %s",c);
```

```
//decryption
for(i=0;i<strlen(c);i++)
{
    for(j=0;j<26;j++)
    {
        if(ct[j]==c[i])
        {
            r[i]=pt[j];
        }
    }
}

printf("\n \n plain text : %s",r);
getch();
}
```

OUTPUT:



```
main.c:(.text+0xf2): warning: the `gets' function is dangerous and should be avoided
Enter the text:RENISHA
cipher text: YGEKTAB
plain text : RENISHA
Program finished with exit code 0
```