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Course:- BSC(IT) Sem:- 6

Subject:- Information security cyber laws. (Practical)


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Paper Type:- Regular

Ques:-3) Write a C program to implement Route cipher encryption and decryption.

Ans 3):-

```
#include <stdio.h>
#include <ctype.h>
#include <string.h>
int main()
{
    char plaintext[100], ar[5][5];
    char temptxt[] = "zzzzzzzzzzzzzzzzzzz";
    printf("Enter plaintext \n");
    fflush(stdin); // clean stream input buffer
    fgets(plaintext, sizeof(plaintext), stdin);
    int k=0, k2=0;
    while(plaintext[k]!='\0')
    {
        if (isalpha(plaintext[k]))
        {
            temptxt[k2] = plaintext[k];
            k2++;
            k++;
        }
        puts(temptxt);
        printf("\n");
        k=0;
        for(int j=0; j<5; j++)
        {
            for(int i=0; i<5; i++)
            {
                ar[i][j] = temptxt[k];
                k++;
            }
        }
    }
}
```

Sign:- 

```

3
3
for (int i = 0; i < 5; i++)
{
    for (int j = 0; j < 5; j++)
    {
        printf("%c", ar[i][j]);
    }
    printf("\n");
}

```

```

3
/*
char pos[10];
char rot[10];
printf("key define ");
printf("in starting position\n TR TL BR BL");
gets(pos);
printf("rotation\n cw ccw\n");
gets(rot);

```

```

switch (pos)
{
    case "TR"; break;
    case "TL"; break;
    case "BR"; break;
    case "BL"; break;
}

```

```

default:

```

```

3;

```

```

switch (rot)
{
    case "cw"; break; //++
    case "ccw"; break; //--
    default: break;
}

```

```

3

```

```

*/
return;

```

```

3

```

Sign:-
Heikha

Pgno:- 03.

//... Output :-
----- //

/*
enter plain txt
ds adsadasd
dsadsadasdz2222222222222222

d a 2 2 2
s d 2 2 2
a a 2 2 2
d s 2 2 2
s d 2 2 2

*/

Sign:-
Prithvi