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Course - B.Sc(CIT) 6th sem

Subject - Information security & cyber laws

Ques 3. Write a C program to implement Route Cipher encryption decryption.

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

int main()
{
    char plantxt[100], ar[5][5];
    char text[] = "z z z z z z z z z z z z";
    printf("Enter plan txt \n");
    fflush(stdin); // clean stream input buffer
    fgets(plantxt, size of (plantxt), stdin);
    int k = 0, k2 = 0;
    while (plantxt[k] != '\0')
    {
        if (isalpha(plantxt[k]))
        {
            temptxt[k2] = plantxt[k];
            k2++;
        }
        k++;
    }
}
```

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```

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++;
    }
}
for (int i = 0; i < 5; ++i)
{
    for (int j = 0; j < 5; ++j)
    {
        printf ("%c", ar[i][j]);
    }
    printf ("\n");
}
char pos[10];
char not[10];
printf ("key define");
printf ("\n starting position In TR TL
BR BL");
gets (pos);

```

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```

printf("notation in CW in");
gets(not);
switch (pos)
{
case "TR":
break;
case "TL":
break;
case "BR":
break;
case "BL":
break;
default:
break;
}
switch (not)
{
case "CW":
break;
case "CCW":
break;
default:
break;
}
return 0;
}

```

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```
//.....output
```

```
.....//
```

```
/*
```

```
enter plan txt
```

```
dsadsadasd
```

```
dsadsadasdzzzzzzzzzzzzzzzzzzzzzz
```

```
d a z z z
```

```
s d z z z
```

```
a a z z z
```

```
d s z z z
```

```
s d z z z
```

```
*/
```