

Program Code:

```
1 #include<stdio.h>
2 int main()
3 {
4
5
6 char str[20] = "HelloStudent", str1[10] = "", str2[10] = "";
7 int i, cnt1 = 0, cnt2 = 0;
8 printf ("Rail Fence - Encryption\n\n");
9
10 printf ("Plain Text: HelloStudent\n\n");
11
12
13 for (i = 0; i < strlen (str); i++)
14
15
16 {
17
18
19 if (i % 2 == 0)
20
21
22 {
23
24
25 str1[cnt1++] = str[i];
26
27
28 }
29
30
31 else
32
33
34 str2[cnt2++] = str[i];
35
36
37 }
38
39
40 printf ("Cipher Text: %s%s", str1, str2);
41
42 return 0;
43 getch ();
44
45 }
```

Output:

Rail Fence - Encryption

Plain Text: HelloStudent

Cipher Text: HlotdnelSuet