5. IMPLEMENTATION OF RAIL FENCE – ROW & COLUMN TRANSFORMATION TECHNIQUE

#include<stdio.h>

#include<conio.h>

#include<string.h>

int main()

{

int i,j,k,l;

char a[20],c[20],d[20];

printf("\n\t\t RAIL FENCE TECHNIQUE");

printf("\n\nEnter the input string : ");

gets(a);

l=strlen(a);

/\*Ciphering\*/

for(i=0,j=0;i<l;i++)

{

if(i%2==0)

c[j++]=a[i];

}

for(i=0;i<l;i++)

{

if(i%2==1)

c[j++]=a[i];

}

c[j]='\0';

printf("\nCipher text after applying rail fence :");

printf("\n%s",c);

/\*Deciphering\*/

if(l%2==0)

k=l/2;

else

k=(l/2)+1;

for(i=0,j=0;i<k;i++)

{

d[j]=c[i];

j=j+2;

}

for(i=k,j=1;i<l;i++)

{

d[j]=c[i];

j=j+2;

}

d[l]='\0';

printf("\nText after decryption : ");

printf("%s",d);

getch();

}

