

This is the encoded message : DOWTDRTWMORZCDWX

This is the decoded message : INTERNETSECURITY

➤ **Program 3 :** Write programs to implement the following Transposition Cipher Techniques.

Ans. :

(a) Rail Fence Cipher

```
public class railfence
{
    public static void main(String []args)
    {
        String input="HAPPYBIRTHDAY";
        String output="";
        int len=input.length(),flag=0;
        System.out.println("input Strings :"+input);
        for(int i=0;i<len;i+=2)
        {
            output +=input.charAt(i);
        }
        for(int i=1;i<len;i+=2)
        {
            output +=input.charAt(i);
        }
        System.out.println(" Ciphered text :"+output);
    }
}
```

➔ **Output**

E : \shraddha>javac railfence.java

E : \shraddha > java railfence

Input strings : HAPPYBIRTHDAY

Ciphered text : HPYITDYAPBRHA