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

Ans. :

(a) Rail Fence Cipher

```java
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**