```java
/**
  A PROGRAM TO DECODE MESSAGES THAT HAVE BEEN ENCODED BY REPLACING CHARACTERS
  (A->Z , a->z , ' ') WITH THEIR ASCII VALUES AND THEN REVERSING THE ENTIRE ASCII
  MESSAGE.
 */
//SUCHIT TE XII A
import java.util.*;
public class MessageDecode
{
    int reverseBlock(String receive)
    {
        String temp="";
        for(int i=(receive.length()-1);i>=0;i--)
        {
            char ch=receive.charAt(i);
            temp=temp+ch;
        }
        int num=Integer.parseInt(temp);
        return num;
    }
    public static void main()
    {
        MessageDecode obj=new MessageDecode();
        Scanner sc=new Scanner(System.in);
        System.out.println("A PROGRAM TO DECODE MESSAGES THAT HAVE BEEN ENCODED BY REPLACING CHARACTERS/n"+
                           "(A->Z , a->z , ' ') WITH THEIR ASCII VALUES AND THEN REVERSING THE ENTIRE ASCII/n"+
                           "MESSAGE.");
        System.out.println("ENTER THE ENCODED MESSAGE");
        String str=sc.next();
        String message="";
        message=" "+message;
        int i=1;
        while(str.length()!=0)
        {
            int flag=0;
            String hold=str.substring(str.length()-2,str.length());
            int temp=0;
            temp=obj.reverseBlock(hold);
            if((temp<65||(temp>90 && temp<97)||temp>122)&&(temp!=32))
            {
                hold=str.substring(str.length()-3,str.length());
                temp=obj.reverseBlock(hold);
                flag=1;
            }

            if(message.charAt(i-1)==' ')
            {
                message=message+Character.toUpperCase((char)temp);
                hold="";
```

```
51              }
52              else
53              {
54                  message=message+Character.toLowerCase((char)temp);
55                  hold="";
56              }
57              if(flag==0)
58              {
59                  str=str.substring(0,str.length()-2);
60              }
61              else if(flag==1)
62              {
63                  str=str.substring(0,str.length()-3);
64              }
65              i++;
66          }
67          message=message.trim();
68          System.out.println(message);
69      }
70 }
71
```