|  |  |
| --- | --- |
| package labex\_8; | |
|  | |  | |
|  | | import java.util.Scanner; | |
|  | |  | |
|  | | /\*\* | |
|  | | \* | |
|  | | \* @author Admin | |
|  | | \*/ | |
|  | | public class String\_palindrome { | |
|  | |  | |
|  | | /\*\* | |
|  | | \* @param args the command line arguments | |
|  | | \*/ | |
|  | | public static void main(String[] args) { | |
|  | | // TODO code application logic here | |
|  | | Scanner val=new Scanner(System.in); | |
|  | |  | |
|  | | System.out.println("Enter the string:"); | |
|  | | String str=val.next();//to get string input from user | |
|  | | String str1=str.toLowerCase();//to convert string to lowercase(to avoid confusion when comparing strings to check whether it is palindrome or not) | |
|  | | char c[]=str1.toCharArray(); | |
|  | | boolean flag=true; | |
|  | | for(int i=0;i<c.length/2;i++) | |
|  | | { | |
|  | | if(c[i]!=c[c.length-1-i]) | |
|  | | { | |
|  | | flag=false; | |
|  | | break; | |
|  | | } | |
|  | |  | |
|  | | } | |
|  | | if(flag) | |
|  | | System.out.println(str+" is a palindrome!!"); | |
|  | | else | |
|  | | System.out.println(str+" is not a palindrome!!"); | |
|  | | } | |
|  | |  | |
|  | | } | |

|  |  |
| --- | --- |
| package labex\_8; | |
|  | |  | |
|  | | import java.util.Scanner; | |
|  | |  | |
|  | | /\*\* | |
|  | | \* | |
|  | | \* @author Admin | |
|  | | \*/ | |
|  | | public class Divide\_str\_into\_equal\_parts { | |
|  | |  | |
|  | | /\*\* | |
|  | | \* @param args the command line arguments | |
|  | | \*/ | |
|  | | public static void main(String[] args) { | |
|  | | // TODO code application logic here | |
|  | | Scanner val=new Scanner(System.in); | |
|  | |  | |
|  | | System.out.println("Enter the string:"); | |
|  | | String str=val.next();//to get input string | |
|  | | System.out.println("To divide the string into n equal parts ... enter the value of n:"); | |
|  | | int n=val.nextInt(); | |
|  | | int len; | |
|  | | if(str.length()%n!=0) | |
|  | | System.out.println("String can't be divided into equal parts!!"); | |
|  | | else | |
|  | | { | |
|  | | len=str.length()/n; | |
|  | | System.out.println("The string divided into "+n+" parts and they are:"); | |
|  | | for(int i=0;i<str.length();i++) | |
|  | | { | |
|  | | if(i%len==0) | |
|  | | System.out.print(" "); | |
|  | | System.out.print(str.charAt(i)); | |
|  | | } | |
|  | | } | |
|  | |  | |
|  | |  | |
|  | | } | |
|  | |  | |
|  | | } | |