1. Write a program to reverse the String (use char[] or String built in method)

Source code:

ReverseString.java

package com.ust.test;

import java.util.Scanner;

public class ReverseString {

public static void main(String[] args) {

String str,revStr="";

Scanner sc =new Scanner(System.in);

System.out.println("Enter the string : ");

//string initialization

str=sc.next();

//str.length() : length of string

for(int i=(str.length()-1);i>=0;i--)

{

//str.charAt(i) : Return the character at i the position

revStr=revStr+str.charAt(i);

}

System.out.println("Reversed string : "+revStr);

sc.close();

}

}

Output:

Graphical user interface, application, Word

Description automatically generated

1. Write programs to depict the usage of contains(), length(), replace(), concat(), equals()

Source code:

UsageStringMethod.java

package com.ust.test;

import java.util.Scanner;

public class UsageStringMethod {

public static void main(String[] args) {

String str,newstr;

Scanner sc =new Scanner(System.in);

System.out.println("Enter the String :");

str=sc.nextLine();

System.out.println("\nString contains() ");

System.out.println("--------------------");

System.out.println("Enter the String to search :");

newstr=sc.nextLine();

System.out.println(str.contains(newstr)?newstr+" is present":newstr+" is not present");

System.out.println("\nString length() ");

System.out.println("--------------------");

System.out.println("Length of String : "+str.length());

System.out.println("\nString replace() ");

System.out.println("--------------------");

System.out.println("Enter the String to Change:");

String str1=sc.nextLine();

System.out.println("Enter the New String:");

newstr=sc.nextLine();

str=str.replace(str1, newstr);

System.out.println("String : "+str);

System.out.println("\nString concat() ");

System.out.println("--------------------");

System.out.println("Enter the String to Concatinate:");

newstr=sc.nextLine();

str=str.concat(newstr);

System.out.println("String : "+str);

System.out.println("\nString equals() ");

System.out.println("--------------------");

System.out.println("Enter the String to check equals : ");

newstr=sc.nextLine();

System.out.println(str.equals(newstr)?newstr+" is equal":newstr+" is not equal");

sc.close();

}

}

Output:

Graphical user interface, text, application

Description automatically generated