**Java String Program to Print Even-Length Words**

public class Main {

public static void main(String[] args) {

String inputString = "This is a sample string with some even and odd words";

String[] words = inputString.split(" ");

System.out.println("Even-length words:");

for (String word : words) {

if (word.length() % 2 == 0) {

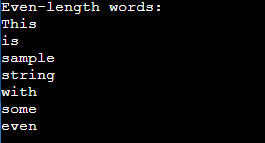
System.out.println(word);

}

}

}

}



**Java String Program to Insert a String into Another String**

public class Main {

public static void main(String[] args) {

String originalString = "Hello world!";

String stringToInsert = "beautiful ";

int insertPosition = 6;

String newString = originalString.substring(0, insertPosition) +

stringToInsert +

originalString.substring(insertPosition);

System.out.println("Original String: " + originalString);

System.out.println("New String: " + newString);

}

}

Screenshot 2025-03-20 184453.png

**Java String program to check whether a string is a Palindrome.**

public class Main {

public static void main(String[] args) {

String str = "madam";

String reversedStr = new StringBuilder(str).reverse().toString();

if (str.equals(reversedStr)) {

System.out.println(str + " is a palindrome.");

} else {

System.out.println(str + " is not a palindrome.");

}

**}**

**}**

**Screenshot 2025-03-20 184803.png**

**Java String Program to Check Anagram.**

import java.util.Arrays;

public class Main {

public static void main(String[] args) {

String str1 = "listen";

String str2 = "silent";

if (areAnagrams(str1, str2)) {

System.out.println(str1 + " and " + str2 + " are anagrams.");

} else {

System.out.println(str1 + " and " + str2 + " are not anagrams.");

}

}

public static boolean areAnagrams(String str1, String str2) {

if (str1.length() != str2.length()) {

return false;

}

char[] charArray1 = str1.toCharArray();

char[] charArray2 = str2.toCharArray();

Arrays.sort(charArray1);

Arrays.sort(charArray2);

return Arrays.equals(charArray1, charArray2);

}

}

4.png

**Java String Program to Reverse a String.**

public class Main {

public static void main(String[] args) {

String originalString = "Java Programming";

String reversedString = "";

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

reversedString += originalString.charAt(i);

}

System.out.println("Original String: " + originalString);

System.out.println("Reversed String: " + reversedString);

}

}

5.png

**Java String Program to Swapping Pair of Characters.**

public class Main {

public static void main(String[] args) {

String inputString = "abcdefgh";

String swappedString = swapPairs(inputString);

System.out.println("Original String: " + inputString);

System.out.println("Swapped String: " + swappedString);

}

public static String swapPairs(String str) {

if (str == null || str.length() < 2) {

return str;

}

StringBuilder result = new StringBuilder();

for (int i = 0; i < str.length() - 1; i += 2) {

result.append(str.charAt(i + 1));

result.append(str.charAt(i));

}

if (str.length() % 2 != 0) {

result.append(str.charAt(str.length() - 1));

}

return result.toString();

}

}

6.png

**Java String Program to Replace a Character at a Specific Index.**

public class Main {

public static void main(String[] args) {

String originalString = "Hello World";

int indexToReplace = 6;

char newCharacter = 'w';

String newString = replaceChar(originalString, indexToReplace, newCharacter);

System.out.println("Original String: " + originalString);

System.out.println("New String: " + newString);

}

public static String replaceChar(String str, int index, char replacement) {

if (str == null || index < 0 || index >= str.length()) {

return str;

}

char[] charArray = str.toCharArray();

charArray[index] = replacement;

return new String(charArray);

}

}

7.png

**Java String Program to Remove Leading Zeros.**

public class Main {

public static void main(String[] args) {

String inputString = "00012345";

String resultString = removeLeadingZeros(inputString);

System.out.println("Original String: " + inputString);

System.out.println("String without leading zeros: " + resultString);

}

public static String removeLeadingZeros(String str) {

if (str == null || str.isEmpty()) {

return str;

}

int index = 0;

while (index < str.length() && str.charAt(index) == '0') {

index++;

}

if (index == str.length()) {

return "0";

}

return str.substring(index);

}

}

8.png

**Java String Program to Sort a String.**

import java.util.Arrays;

public class Main {

public static void main(String[] args) {

String inputString = "java programming";

String sortedString = sortString(inputString);

System.out.println("Original String: " + inputString);

System.out.println("Sorted String: " + sortedString);

}

public static String sortString(String str) {

if (str == null || str.isEmpty()) {

return str;

}

char[] charArray = str.toCharArray();

Arrays.sort(charArray);

return new String(charArray);

}

}

9.png

**Java String Program to Compare Two Strings.**

public class Main{

public static void main(String[] args) {

String str1 = "Hello";

String str2 = "hello";

String str3 = "Hello";

System.out.println("str1 vs str2 (case-sensitive): " + str1.equals(str2));

System.out.println("str1 vs str3 (case-sensitive): " + str1.equals(str3));

System.out.println("str1 vs str2 (case-insensitive): " + str1.equalsIgnoreCase(str2));

}

}

