1. Palindrome Check

Public class PalindromeCheck {

Public static void main(String[] args) {

String str = “madam”;

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

System.out.println(str.equals(reversed) ? “Palindrome” : “Not Palindrome”);

}

}

1. Count Vowels and Consonants

Public class CountVowelsConsonants {

Public static void main(String[] args) {

String str = “Java Programming”;

Int vowels = 0, consonants = 0;

Str = str.toLowerCase();

For (char ch : str.toCharArray()) {

If (Character.isLetter(ch)) {

If (“aeiou”.indexOf(ch) != -1)

Vowels++;

Else

Consonants++;

}

}

System.out.println(“Vowels: “ + vowels + “, Consonants: “ + consonants);

}

}

1. Remove Duplicates

Public class RemoveDuplicates {

Public static void main(String[] args) {

String str = “programming”;

StringBuilder result = new StringBuilder();

For (char c : str.toCharArray()) {

If (result.indexOf(String.valueOf©) == -1)

Result.append©;

}

System.out.println(result.toString());

}

}

1. Reverse a String Using StringBuilder

Public class ReverseString {

Public static void main(String[] args) {

String str = “Hello”;

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

System.out.println(reversed);

}

}

1. Anagram Check

Import java.util.Arrays;

Public class AnagramCheck {

Public static void main(String[] args) {

String str1 = “listen”;

String str2 = “silent”;

Char[] arr1 = str1.toCharArray();

Char[] arr2 = str2.toCharArray();

Arrays.sort(arr1);

Arrays.sort(arr2);

System.out.println(Arrays.equals(arr1, arr2) ? “Anagrams” : “Not Anagrams”);

}

}

1. Capitalize First Letter of Each Word

Public class CapitalizeWords {

Public static void main(String[] args) {

String input = “java is fun”;

String[] words = input.split(“ “);

StringBuilder result = new StringBuilder();

For (String word : words) {

Result.append(Character.toUpperCase(word.charAt(0)))

.append(word.substring(1))

.append(“ “);

}

System.out.println(result.toString().trim());

}

}

1. Count Word Occurrences

Public class WordOccurrences {

Public static void main(String[] args) {

String sentence = “Java is simple. Java is powerful.\nJava”;

String wordToSearch = “Java”;

Int count = 0;

String[] words = sentence.split(<\\W+>); // Splits by non-word characters

For (String word : words) {

If (word.equals(wordToSearch)) count++;

}

System.out.println(count);

}

}

1. Toggle Case

Public class ToggleCase {

Public static void main(String[] args) {

String str = “HeLLo”;

StringBuilder toggled = new StringBuilder();

For (char c : str.toCharArray()) {

If (Character.isUpperCase©)

Toggled.append(Character.toLowerCase©);

Else

Toggled.append(Character.toUpperCase©);

}

System.out.println(toggled.toString());

}

}