1.Write a java program to Reverse a string without using the inbuilt method ?

public class StringReversal {

public static void main(String[] args) {

String input = "Hello World";

StringBuilder reversed = new StringBuilder();

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

reversed.append(input.charAt(i));

}

String output = reversed.toString();

System.out.println(output);

}

}

2. Write a java program to know whether the given string is palindrome ?

public class PalindromeCheck {

public static void main(String[] args) {

String input = "level";

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

boolean isPalindrome = input.equals(reversed);

System.out.println("Is Palindrome? " + isPalindrome);

}

}

3.Write a java program to convert upper case to lower case and vice versa ?

public class CaseConversion {

public static void main(String[] args) {

String input = "Hello World";

String upperCase = input.toUpperCase();

String lowerCase = input.toLowerCase();

System.out.println("Uppercase: " + upperCase);

System.out.println("Lowercase: " + lowerCase);

}

}

4.Write a java program to remove a particular character from a String.

public class CharacterRemoval {

public static void main(String[] args) {

String input = "Hello World";

char charToRemove = 'o';

String output = input.replace(String.valueOf(charToRemove), "");

System.out.println(output);

}

}

5.Write a java program to find the index of a substring ?

public class SubstringIndex {

public static void main(String[] args) {

String input = "Hello World";

String substring = "World";

int index = input.indexOf(substring);

System.out.println("Index of substring: " + index);

}

}