Generate a code to non-negative integer’s num1 and num2 represented as strings; return the product of num1 and num2, also represented as a string.

CODE:

import java.util.Scanner;

public class StringMultiplication {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

// Input two non-negative integers as strings

System.out.print("Enter the first non-negative integer: ");

String num1 = scanner.next();

System.out.print("Enter the second non-negative integer: ");

String num2 = scanner.next();

// Perform multiplication

String product = multiplyStrings(num1, num2);

// Display the product

System.out.println("Product of " + num1 + " and " + num2 + " = " + product);

scanner.close(); // Closing the scanner object

}

public static String multiplyStrings(String num1, String num2) {

// Convert strings to integers for multiplication

int n1 = Integer.parseInt(num1);

int n2 = Integer.parseInt(num2);

// Perform multiplication

int result = n1 \* n2;

// Convert result back to string

return Integer.toString(result);

}

}

OUTPUT:

C:\javap>javac StringMultiplication.java

C:\javap>java StringMultiplication

Enter the first non-negative integer: 5

Enter the second non-negative integer: 4

Product of 5 and 4 = 20

