

The screenshot shows an IDE interface with a Java file named Main.java open in the editor. The code implements a menu-driven application for string manipulation. The user has selected option 4, which concatenates two strings. The output window shows the program's interaction with the user.

```
42     case 3:
43         System.out.println("3. First string in lowercase: " + str1.toLowerCase());
44         System.out.println("3. Second string in lowercase: " + str2.toLowerCase());
45         break;
46     case 4:
47         System.out.println("4. Concatenated string: " + str1.concat(str2));
48         break;
49     case 5:
50         System.out.print("5. Enter a substring to check in the first string: ");
51         String substring = Sc.nextLine();
52         if (str1.contains(substring)) {
53             System.out.println("5. Substring exists in the first string");
54         } else {
55             System.out.println("5. Substring does not exist in the first string");
56         }
57         break;
58     case 6:
59         System.out.println("6. Is the first string empty? " + str1.isEmpty());
60         System.out.println("6. Is the second string empty? " + str2.isEmpty());
61         break;
62     case 7:
63         System.out.println("7. Exiting the program ");
64         break;
65     default:
66         System.out.println("Invalid choice. Please try again");
67         return;
68     }
69 }
70 }
71 }
```

Output - Run (Main) >

```
com.mycompany.main.Main > main > while(true) > switch(choice) > case 7: >
```

Enter the first string:  
kawa  
Enter the second string:  
sri

Choose a string operation:

- 1.Find Length
- 2.Convert to Uppercase
- 3.Convert to Lowercase
- 4.Concatenate Strings
- 5.Check if substring exists
- 6.Check if string is empty
- 7.Exit

Enter your choice: 4