**Create a String in Java**

class Main {

public static void main(String[] args) {

// create strings

String first = "Java";

String second = "Python";

String third = "JavaScript";

// print strings

System.out.println(first); // print Java

System.out.println(second); // print Python

System.out.println(third); // print JavaScript

}

}

**Output:**

Java

Python

JavaScript

Graphical user interface, application, Word

Description automatically generated

## Java String Operations

### 1. Get length of a String

class Main {

public static void main(String[] args) {

// create a string

String greet = "Hello! World";

System.out.println("String: " + greet);

// get the length of greet

int length = greet.length();

System.out.println("Length: " + length);

}

}

**Output:**

String: Hello! World

Length: 12

Graphical user interface, text, application

Description automatically generated

### 2. Join Two Java Strings

class Main {

public static void main(String[] args) {

// create first string

String first = "Java ";

System.out.println("First String: " + first);

// create second

String second = "Programming";

System.out.println("Second String: " + second);

// join two strings

String joinedString = first.concat(second);

System.out.println("Joined String: " + joinedString);

}

}

Output:

First String: Java

Second String: Programming

Joined String: Java Programming

Graphical user interface, text, application

Description automatically generated

### 3. Compare two Strings

class Main {

public static void main(String[] args) {

// create 3 strings

String first = "java programming";

String second = "java programming";

String third = "python programming";

// compare first and second strings

boolean result1 = first.equals(second);

System.out.println("Strings first and second are equal: " + result1);

// compare first and third strings

boolean result2 = first.equals(third);

System.out.println("Strings first and third are equal: " + result2);

}

}

**Output:**

Strings first and second are equal: true

Strings first and third are equal: false

Graphical user interface, text, application

Description automatically generated

### Java String toUpperCase() and toLowerCase() method

**Stringoperation1.java**

**public** **class** Stringoperation1

{

**public** **static** **void** main(String ar[])

{

String s="Sachin";

System.out.println(s.toUpperCase());//SACHIN

System.out.println(s.toLowerCase());//sachin

System.out.println(s);//Sachin(no change in original)

}

}

**Output:**

SACHIN

sachin

Sachin

Graphical user interface, text, application

Description automatically generated

**Stringoperation2.java**

**public** **class** Stringoperation2

{

**public** **static** **void** main(String ar[])

{

String s="  Sachin  ";

System.out.println(s);//  Sachin

System.out.println(s.trim());//Sachin

}

}

**Output:**

**Output:**

Sachin

Sachin

Graphical user interface, text, application

Description automatically generated

**Stringoperation3.java**

**public** **class** Stringoperation3

{

**public** **static** **void** main(String ar[])

{

String s="Sachin";

 System.out.println(s.startsWith("Sa"));//true

 System.out.println(s.endsWith("n"));//true

}

}

**Output:**

True

True

Graphical user interface, text, application

Description automatically generated

**Stringoperation4.java**

**public** **class** Stringoperation4

{

**public** **static** **void** main(String ar[])

{

String s="Sachin";

System.out.println(s.charAt(0));//S

System.out.println(s.charAt(3));//h

}

}

Output:

S

H

Graphical user interface, text, application

Description automatically generated

### Java String replace() Method

**Stringoperation8.java**

**public** **class** Stringoperation8

{

**public** **static** **void** main(String ar[])

{

String s1="Java is a programming language. Java is a platform. Java is an Island.";

String replaceString=s1.replace("Java","Kava");//replaces all occurrences of "Java" to "Kava"

System.out.println(replaceString);

}

}

Output:

kava is a programming language. Java is a platform. Java is an Island.

Graphical user interface, text, application

Description automatically generated

true