**Strings:**

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);

}

}

class Main {

public static void main(String[] args) {

String str1 = "program";

// from 1st to the 7th character

System.out.println(str1.substring(0, 7)); // program

// from 1st to the 5th character

System.out.println(str1.substring(0, 5)); // progr

// from 4th to the 5th character

System.out.println(str1.substring(3, 5)); // gr

}

}

class Main {

public static void main(String[] args) {

String str1 = "C++ Programming";

// all occurrences of "C++" is replaced with "Java"

System.out.println(str1.replace("C++", "Java")); // Java Programming

// all occurences of "aa" is replaced with "zz"

System.out.println("aa bb aa zz".replace("aa", "zz")); // zz bb zz zz

// substring not in the string

System.out.println("Java".replace("C++", "C")); // Java

}

}

// Java String indexOf() with only one parameter

class Main {

public static void main(String[] args) {

String str1 = "Learn Java";

int result;

// getting index of character 'J'

result = str1.indexOf('J');

System.out.println(result); // 6

// the first occurrence of 'a' is returned

result = str1.indexOf('a');

System.out.println(result); // 2

// character not in the string

result = str1.indexOf('j');

System.out.println(result); // -1

// getting the index of "ava"

result = str1.indexOf("ava");

System.out.println(result); // 7

// substring not in the string

result = str1.indexOf("java");

System.out.println(result); // -1

// index of empty string in the string

result = str1.indexOf("");

System.out.println(result); // 0

}

}

class Main {

public static void main(String[] args) {

String str1 = " Learn Java Programming ";

String str2 = "Learn\nJava Programming\n\n ";

System.out.println(str1.trim());

System.out.println(str2.trim());

}

}

class Main {

public static void main(String[] args) {

int a = 5;

long l = -2343834L;

float f = 23.4f;

double d = 923.234d;

// convert numbers to strings

System.out.println(String.valueOf(a)); // "5"

System.out.println(String.valueOf(l)); // "-2343834"

System.out.println(String.valueOf(f)); // "23.4"

System.out.println(String.valueOf(d)); // "923.234"

}

}

class Main {

public static void main(String[] args) {

String str1 = "Java Programming";

String str2 = "";

System.out.println(str1.isEmpty()); // false

System.out.println(str2.isEmpty()); // true

}

}

class Main {

public static void main(String[] args) {

String str1 = "Learn Java";

String str2 = "Java";

String str3 = "java";

Boolean result;

// true because "Learn Java" contains "Java"

if (str1.contains(str2)) {

System.out.println(str1 + " contains " + str2);

}

else {

System.out.println(str1 + " doesn't contains " + str2);

}

// contains() is case-sensitive

// false because "Learn Java" doesn't contains "java"

if (str1.contains(str3)) {

System.out.println(str1 + " contains " + str3);

}

else {

System.out.println(str1 + " doesn't contain " + str3);

}

}

}