JavaClass14

String Methods:

String is the most widely used class in java. We can

use it to store text based data.

Methods in Java:

Method in java is simple a block of code or some java

statements put together in a block.

package class14;

public class Math {

void add(int num1,int num2){

System.out.println(num1+num2);

}

void printFiboSeries(int size){

int previous=0;

int currentNumber=1;

int nextNum=0;

System.out.println(previous);

System.out.println(currentNumber);

for(int i=0; i<size;i++) {

nextNum=previous+currentNumber;

System.out.println(nextNum);

previous=currentNumber;

currentNumber=nextNum;

}

}

public static void main(String[] args) {

Math obj=new Math(); // Creating an object of the Math class

/\* obj.printFiboSeries(5); // this is how we execute the logic present inside the methods

System.out.println("\*\*\*\*\*\*\*\*\*\*\*");

obj.printFiboSeries(10);\*/

obj.add(10,20);

// Break till 1:42

}

}

package class14;

public class MethodsDemo1 {

/\*

A Method that does not take any parameters and prints some lines on the console

\*/

void printHello(){

System.out.println("Hello World");

System.out.println("Hello Java");

System.out.println("Hello Aladin");

}

/\*

A Method that takes a single parameter of type String and prints it

\*/

void printWord(String word){

System.out.println(word);

}

public static void main(String[] args) {

MethodsDemo1 obj= new MethodsDemo1();

obj.printHello();

obj.printWord("Taivion Don't worry its Java");

obj.printWord("No Athira it does not make sense i am confused can you please repeat it");

}

}

package class14;

public class MethodsDemo2 {

void printManyTimes(int times){

for (int i = 0; i < times; i++) {

System.out.println("Hello Java");

}

}

/\*

in Parameters sequence and data type matters

\*/

void printCustomWordManyTimes(String word,int times){

for (int i = 0; i < times; i++) {

System.out.println(word);

}

}

public static void main(String[] args) {

MethodsDemo2 md=new MethodsDemo2();

// md.printManyTimes(5);

md.printCustomWordManyTimes("Syntax Easy",2);

}

}

package class14;

import java.util.Scanner;

public class MethodsDemo3 {

boolean isEven(int number){

if(number%2==0){

return true;

} else {

return false;

}

}

public static void main(String[] args) {

MethodsDemo3 md=new MethodsDemo3();

if(md.isEven(4)){

System.out.println("Number is Even");

}else {

System.out.println("Number is odd");

}

Scanner scanner=new Scanner(System.in);

int number=scanner.nextInt();

}

}

package class14;

public class MethodsDemo4 {

boolean mystery(){

return true;

}

String mystery2(int num){

return "Java";

}

String method(String word){

//return "Java";

if(word.equals("Java")){

return "python";

}else

{

return "Java";

}

}

public static void main(String[] args) {

MethodsDemo4 methodsDemo4=new MethodsDemo4();

System.out.println(methodsDemo4.mystery());

System.out.println(methodsDemo4.mystery2(10));

System.out.println(methodsDemo4.method("python"));

}

}

package class14;

public class StringBufferVsBuilder {

public static void main(String[] args) {

//Mostly used class newer better faster

StringBuilder stringBuilder=new StringBuilder("Today is java class");

// older one slow and not used mostly

StringBuffer stringBuffer=new StringBuffer("Today is java class");

String str="Java is very easy";

/\*

If we want to convert the String to a StringBuilder we can use the below

syntax

\*/

StringBuilder stringBuilder1=new StringBuilder(str);

System.out.println("stringBuilder1 = " + stringBuilder1);

/\*

IF we want to convert from a StringBuilder to A String we can use

the below syntax

\*/

String newStr=stringBuilder1.toString();

}

}

package class14;

import java.util.Arrays;

public class StringRecap {

public static void main(String[] args) {

String str="kjfksfAJDSKJD274362374!@##$";

str= str.replaceAll("[^a-zA-Z]","");

System.out.println("str = " + str);

String sentence="Batch 14 is Great. Batch 14 is excellent? Batch 14 is just amazing";

String[] split = sentence.split("[.?!]");

System.out.println("split = " + Arrays.toString(split));

String str2=" Batch 14 is Great.Batch 14 is Great";

String replace = str2.replaceFirst("Great", "Good");

System.out.println(replace);

}

}

package class14;

public class Task1 {

public static void main(String[] args) {

/\*Create a String that will hold a sentence.

Write a program to get a new String

without any spaces\*/

String str="we love Java";

str=str.replaceAll(" ","");

System.out.println("str = " + str);

}

}

|  |
| --- |
| package class14; |
|  |  |
|  | public class Task2 { |
|  | /\* |
|  | Create a String that should be combination of letters, numbers and special characters. |
|  | Find out how many Alphanumeric(abd AZ 284) characters are there in the String. |
|  | \*/ |
|  | public static void main(String[] args) { |
|  | String str="dsfkjAJSKA1263#%6"; |
|  | str=str.replaceAll("[^a-zA-Z0-9]",""); |
|  | System.out.println("str = " + str); |
|  | System.out.println(str.length()); |
|  |  |
|  | //Break till 12:00 |
|  | } |
|  | } |

package class14;

public class Task3 {

public static void main(String[] args) {

/\*

You have a String a=”Is it saturday? Is it raining? Do we have a Java Class today?”

How would you find out how many sentences are in that String?

\*/

String a="Is it saturday? Is it raining? Do we have a Java Class today?";

String[] sentences = a.split("[?]");

System.out.println(sentences.length);

}

}

package class14;

public class Task4 {

public static void main(String[] args) {

/\*

How would you reverse a String word by word? for example

input=>This is sentence i want to reverse

output=>sihT si ecnetnes i tnaw ot esrever

\*/

String str="This is sentence i want to reverse";

String[] arr=str.split(" ");

StringBuilder st=new StringBuilder();

for (int i = 0; i < arr.length; i++) {

String word=arr[i];

StringBuilder stringBuilder=new StringBuilder(word);

stringBuilder.reverse();

arr[i]=stringBuilder.toString();

st.append(arr[i]).append(" ");

}

System.out.println(st);

}

}

package class14;

public class Task5 {

public static void main(String[] args) {

/\*

\*/

String str="abc";

StringBuilder stringBuilder=new StringBuilder(str);

stringBuilder.reverse();

if(stringBuilder.toString().equals(str)){

System.out.println("The String is Palindrome");

}else {

System.out.println("The String not Palindrome");

}

}

}

package class14;

public class Task6 {

public static void main(String[] args) {

/\*

How would you swap 2 strings without a temporary variable?

\*/

String str1="python";

String str2="Java";

str1=str1+str2;

str2=str1.replace(str2,"");

str1=str1.replace(str2,"");

System.out.println(str1);

System.out.println(str2);

}

}