Spring Framework trimAllWhiteSpace(..) method

Previously we saw methods like isEmpty(), hasLength(), hasText(), containsWhiteSpace() and trimWhiteSpace() of StringUtils class of Spring Framework.

In this post we will see the method trimAllWhiteSpace(..) which is used to trim leading and trailing white space from the String.

Below is the code take from StringUtils class of Spring Framework. I have also commented the code so it will be easier to understand it.

/\*\*

\* This method is used to trim all the white spaces from the String.

\* \*/

**public** **static** String trimAllWhitespace(String str) {

/\*\*

\* First, check for the length.

\* If input string is null or length == 0 then

\* return the str.

\* \*/

**if** (!hasLength(str)) {

**return** str;

}

//Take the length of the String

**int** len = str.length();

StringBuilder sb = **new** StringBuilder(str.length());

/\*\*

\* run the loop till length of the input string.

\* \*/

**for** (**int** i = 0; i < len; i++) {

**char** c = str.charAt(i);

/\*\*

\* If the character is not white space then append it

\* to the StringBuilder

\*/

**if** (!Character.*isWhitespace*(c)) {

sb.append(c);

}

}

/\*\*

\* Convert StringBuilder to String and return it.

\* \*/

**return** sb.toString();

}

Driver method

**public** **static** String trimAllWhiteSpaceDemo(String str){

String s=StringUtils.*trimAllWhitespace*(str);

**return** s;

}

Test cases on Driver method

|  |  |
| --- | --- |
| **Input** | **Output** |
| null | null |
| “” | “” |
| “ ” | “” |
| “ Java” | “Java” |
| “Java ” | “Java” |
| “ Java ” | “Java” |
| “Java” | “Java” |

**package** stringutils;

**import** org.junit.Assert;

**import** org.junit.Test;

**public** **class** SpringTrimAllWhiteSpaceDemoTest {

@Test

**public** **void** testForNull() {

Assert.*assertEquals*(**null**, SpringTrimAllWhiteSpaceDemo.*trimAllWhiteSpaceDemo*(**null**));

}

@Test

**public** **void** testForEmptyString() {

Assert.*assertEquals*("", SpringTrimAllWhiteSpaceDemo.*trimAllWhiteSpaceDemo*(""));

}

@Test

**public** **void** testForAlBlanks() {

Assert.*assertEquals*("", SpringTrimAllWhiteSpaceDemo.*trimAllWhiteSpaceDemo*(" "));

}

@Test

**public** **void** testForLeadingSpaces() {

Assert.*assertEquals*("Java", SpringTrimAllWhiteSpaceDemo.*trimAllWhiteSpaceDemo*(" Java"));

}

@Test

**public** **void** testForTrailingSpaces() {

Assert.*assertEquals*("Java", SpringTrimAllWhiteSpaceDemo.*trimAllWhiteSpaceDemo*("Java "));

}

@Test

**public** **void** testForLeadingAndTrailingSpaces() {

Assert.*assertEquals*("Java", SpringTrimAllWhiteSpaceDemo.*trimAllWhiteSpaceDemo*(" Java "));

}

@Test

**public** **void** testForNoWhiteSpace() {

Assert.*assertEquals*("Java", SpringTrimAllWhiteSpaceDemo.*trimAllWhiteSpaceDemo*("Java"));

}

}

Test cases execution

That’s all on trimAllWhiteSpace(..) method.

Navigate to [String Interview Questions](http://data-structure-learning.blogspot.com/p/string.html) or [Main Page](http://data-structure-learning.blogspot.com/p/main-page.html) to read more.