**package** com.sachin.java.core;

**import** java.util.Arrays;

**import** java.util.Collections;

**import** java.util.List;

**public** **class** ReverseStringWords {

**public** **static** **void** main(String args[]) {

String str = "Today is Thursday";

System.***out***.printf("Reverse of the string '%s' is '%s' :%n ",str,*reverseWords*(str));

System.***out***.printf("Reverse of the string '%s' is '%s': ",str,*reverseString*(str));

}

/\*

\* Method to reverse words in String in Java

\*/

**public** **static** String reverseWords(String sentence) {

List< String> words = Arrays.*asList*(sentence.split("\\s"));

Collections.*reverse*(words);

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

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

sb.append(words.get(i));

sb.append(' ');

}

**return** sb.toString().trim();

}

**public** **static** String reverseString(String line) {

**if** (line.trim().isEmpty()) {

**return** line;

}

StringBuilder reverse = **new** StringBuilder();

String[] sa = line.trim().split("\\s");

**for** (**int** i = sa.length - 1; i >= 0; i--) {

reverse.append(sa[i]);

reverse.append(' ');

}

**return** reverse.toString().trim();

}

}