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| --- |
| /\* Q2: Write recursive function that takes an array of words and returns an array containing all words capitalized |
|  |  | i/p : ["foo", "bar", "world"] |
|  |  | o/p : ["FOO", "BAR", "WORLD"] \*/ |
|  |  |  |
|  |  | import java.util.ArrayList; |
|  |  |  |
|  |  | public class S2 { |
|  |  |  |
|  |  | public static void main(String[] args) { |
|  |  |  |
|  |  | String[] words = { "prakhar", "bar", "world", "pen", "car" }; |
|  |  |  |
|  |  | ArrayList<String> capitalizedWordsList = capitalizeWords(words, 0); |
|  |  |  |
|  |  | System.out.println(capitalizedWordsList); |
|  |  | } |
|  |  |  |
|  |  | static ArrayList<String> capitalizeWords(String[] words, int index) { |
|  |  |  |
|  |  | ArrayList<String> list = new ArrayList<>(); |
|  |  |  |
|  |  | if (index > words.length - 1) { |
|  |  | return list; |
|  |  | } |
|  |  |  |
|  |  | String capitalizedWord = words[index].toUpperCase(); |
|  |  |  |
|  |  | list.add(capitalizedWord); |
|  |  |  |
|  |  | list.addAll(capitalizeWords(words, index + 1)); |
|  |  |  |
|  |  | return list; |
|  |  | } |
|  |  | } |