```
A program which displays all permutations of a word
      (entered in the command line).
      Example :
       (word = "ABC")
            ABC
            ACB
            BAC
            BCA
            CAB
            CBA
class Permutations {
      public static void main (String[] args) {
            String word = (args.length == 0)? "DEFAULT" : args[0].toUpperCase();
            permute("", word);
      }
      public static void permute (String prefix, String str) {
            if (str.length() == 0)
                  System.out.println(prefix);
            for (int i = 0; i < str.length(); i++)</pre>
                  permute(prefix + str.charAt(i),
                        str.substring(0, i) + str.substring(i + 1));
      }
}
      Variable Description :
      ______
      Serial no. | Variable name | Data type | Purpose
      1 | word | String | Stores the word | entered
                       | String | Stores the partially | created permutation
             --+--------
                                           | Stores the remaining | word, after letters
        3 | str
                        | String
                                               | are pulled into the
              | (prefix)
```