

RECURSION: LETTER PERMUTATIONS

Lab Description : Write a program that takes in a string of unique characters and generates all possible permutations of the letters.

Sample Data :

ABC
abc
boat
it

Files Needed ::

Permutation.java
PermuRunner.java

Sample Output :

PERMUTATION OF WORD :: ABC
ABC
ACB
BAC
BCA
CAB
CBA

PERMUTATION OF WORD :: abc
abc
acb
bac
bca
cab
cba

PERMUTATION OF WORD :: boat
boat
bota
baot
bato
btoa
btao
obat
obta
oabt
oatb
otba
otab
abot
abto
aobt
aotb
atbo
atob
tboa
tbao
toba
toab
tabo
taob

PERMUTATION OF WORD :: it
it
ti

algorithm help

If the length of new and original string match
print out new String
else
loop from beginning to end of original
if the current char in original does not exist
in new string
recursive call with original and new
plus current char