

SQUARE THE WORD

Read a word and create a square pattern as follows:

- a) From the top left corner the word reads left to right
- b) From the top left corner the word reads top to bottom
- c) From the bottom right corner the word reads from bottom to top
- d) From the bottom right corner the word reads right to left

The input file is called **square.txt**. It may contain any number of words, one per line. The maximum word length is 10. All letters are in upper case and the only characters in the word are letters.

You are to output each word in a square pattern as described above and illustrated below. Use the Courier Font to display the results.

Sample input data (square.txt)

SQUARE

HERO

QUILT

Sample Output:

SQUARE

Q R

U A

A U

R A

ERAUQS

HERO

E R

R E

OREH

QUILT

U L

I I

L U

TLIUQ

Judge Data Set 1 – Input

CATHOLIC
JESUS
BISHOP
CATHEDRAL
END

Judge Data Set 1 – Output (20 marks each)

CATHOLIC
A I
T L
H O
O H
L T
I A
CILOHTAC

JESUS
E U
S S
U E
SUSEJ

BISHOP
I O
S H
H S
O I
POHSIB

CATHEDRAL
A A
T R
H D
E E
D H
R T
A A
LARDEHTAC

END
N N
DNE

Judge Data Set 2 – Input

BREBEUF
TONNOS
STMARY
BISHOPRYAN
NEWMAN
HI

Judge Data Set 2 – Output (first 5 outputs 15 marks each last output 25)

BREBEUF
R U
E E
B B
E E
U R
FUEBERB

TONNOS
O O
N N
N N
O O
SONNOT

STMARY
T R
M A
A M
R T
YRAMTS

BISHOPRYAN
I A
S Y
H R
O P
P O
R H
Y S
A I
NAYRPOHSIB

NEWMAN

E A

W M

M W

A E

NAMWEN

HI

IH