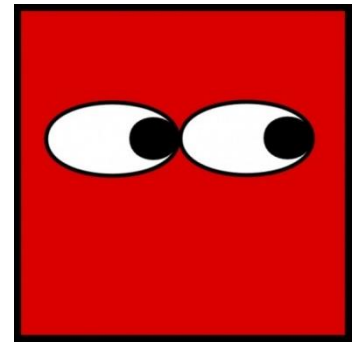# APCS – Mr. Ascione
FancyWord Two

OBJECTIVE: This lab was designed to teach you how to use a matrix, an array of arrays.

SPEC: Read in one word at a time from the file and output the word as a square where the sides and bottom connect to each other as shown to form a complete word on each side (forwards or backwards as shown).

SAMPLE OUTPUT:

TEST CASES:

From the file:

```
8          ⟵          Number of items
PATRIOTS
BEN
FRANKLIN
TOMMY
J
PAINE
HENRY
USA
```

> ### Files Needed:
>
> **FancyWordTwo.java**
>
> **FancyWordTwoRunner.java**
>
> **Fancyword2.dat**

Hints / Algorithm Help:

```
for(int i=0; i<word.length(); i++)
{
        mymat[0][i] = word.charAt(i);

        //3 more statements

        //similar to the one above
}
```



```
PATRIOTS
A      T
T      O
R      I
I      R
O      T
T      A
STOIRTAP

BEN
E E
NEB

FRANKLIN
R      I
A      L
N      K
K      N
L      A
I      R
NILKNARF

TOMMY
O      M
M      M
M      O
YMMOT

J

PAINE
A    N
I    I
N    A
ENIAP

HENRY
E    R
N    N
R    E
YRNEH

USA
S S
ASU
```