

APCS – Mr. Ascione

FancyWord One

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 an hourglass as shown – words connect along diagonal and form complete words from one point to another – either forwards or backwards as shown.



SAMPLE OUTPUT:

TEST CASES:

From the file:

6 ←
HILLS
AP
COMPUTERS
GOSLING
INT
A

Files Needed:

`FancyWord.java`
`FancyWordRunner.java`
`fancyword.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  
}
```

