Lab 3

Submit Assignment

Due Sunday by 11:59pm **Points** 2 **Submitting** a website url or a file upload

LAB 2: WORD SEARCH

Your program will open the ***wordpuzzle.dat* file.** The first portion contains the search words, a three asterisk divider and the lines for the word search puzzle.

```
//search words    “needles”
computer
plum
copy
chair
friday
ferret
***                 //three asterisk divider
Gypocriahc          //lines for the word search “haystacks”
ferretmulp
computerfo
vrlyplumoo
yupterreff
moyadirfoy
cpzcopysvj
chairbidoq
```

The following words can be found in the forward horizontal direction

word	row	column
computer	3	1
plum	4	5
copy	7	4
chair	8	1
ferret	2	1

The following word can't be found in the horizontal forward direction.

The following table shows a *-1* as the result because the word wasn't

found.

word	row	col
friday	-1	-1

Getting started

- Open the wordpuzzle.dat file using a try catch statement
- Load the search words into an array called needles (of size 6)
- Load the puzzle lines into an array called haystack (of size 20)
- Sort needs using Arrays.sort
- For each word in needles, search through the haystack using array and string functions to see if it is hidden in the haystack.

When found, your message must say for example word “computer” was found

At row 3 and column 1.

If a word is not found, output the following:

friday was not found

Make sure to search the entire puzzle for all the words.

Collaboration

Work with your partner to complete the program