

ANKARA UNIVERSITY COM 1001 LAB 9

Q1-)Write a Python program that searches for specific words in a file. The program should work as follows:

- Prompt the user to input a file name.
- Open the file and read all the text inside it.
- Prompt the user to input the file name and the words to search for.
- Display the lines and line numbers where the words appear in the file.
- If none of the words are found, inform the user.

Example 1 :

```
Enter the file name: example.txt
Enter words to search for (separated by commas): Java, developer
```

Input:example.txt

```
Python is a powerful programming language.
Many developers use Python to write code.
```

Output:

```
'developer' found on line 2: Many developers use Python to write code.
```

```
'Java' was not found in the file.
```

Example 2:

```
Enter the file name: example.txt
Enter words to search for (separated by commas): Python, code
```

Input:example.txt

```
Python is a powerful programming language.
Many developers use Python to write code.
```

Output

```
Search Results:
Word 'Python' found on line 1: Python is a powerful programming language.
Word 'Python' found on line 2: Many developers use Python to write code.
Word 'code' found on line 2: Many developers use Python to write code.
```