

## ANKARA UNIVERSITY COM 1001 LAB 9

Q2-)Write a Python program that performs the following tasks:

- Prompt the user to enter a file name.
- Read the file line by line and find the longest word in the file along with the line number where it appears.
- If there are multiple words with the same maximum length, display the first one encountered.
- Print the longest word and the line number where it is found.
- If the file is empty, inform the user that the file is empty.

Example:

```
Enter the file name: example2.txt
```

Input:

```
Python is simple yet powerful.  
Programming allows us to create software that solves real problems.  
AI is a fascinating area of computer science.
```

Output:

```
The longest word is: "Programming"  
Found on line: 2
```