Workshop on Programming in Python

The entire conversation from a scene of William Shakespeare's famous tragedy '*Hamlet*' is attached with the mail (**hamlet.txt**). Assign the entire text in the file to a variable as a string. Write a python script to perform the following:

1. Find which character plays the lead role in the scene.

2. Find how many conversations are there in the scene.

3. Find how many questions are asked by each character.

4. Create a dictionary with keys as the words used and values as their frequency of occurrence.

5. Find which is the most frequently used word in the scene.

6. Find who is the babbler and who is reticent in the scene.

7. Find the character who possess the richest vocabulary.

Note: Try to use all the Python constructs that we discussed during the session.

Prepared in LaTeX