

Module 1: Introduction to Text Mining and NLP

Case Study

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1. Write code snippets in python to perform the following tasks

- Print your current working directory
- Create a new directory on your desktop named: “Text Mining and NLP”
- Make “Text Mining and NLP” your current working directory

2. Write code snippets in python to perform the following tasks:

- Create a text file named “Greetings.txt” and write “Welcome to Text Mining and Natural Language Processing”
- Move this file to the folder “Text Mining and NLP” which you created in ques 1
- Rename this file to “Welcome.txt”

3. You are given a docx file named “NLP.docx”. Perform the following tasks:

- Use DOCX module to open the file and perform the following tasks:
- How many paragraphs are there in the file?
- For each paragraph, print the number of words it contains
- Read the content from “Welcome.txt” file which you created in question number 2 and make that content the first paragraph in “NLP.docx” file

4. You are given a csv file named “EmployeeDetails.csv”. Perform the following tasks:

- Use pandas module to read the csv file
- Split the name as first name and last name and make two separate columns as shown

Name	First Name	Last Name
Arjun Singh	Arjun	Singh
Vibhor Jha	Vibhor	Jha

- Delete “Name” Column
- Increment the “Salary” Column by 10% of the existing value and save changes in same column only as shown

Salary	Salary
10000	11000
25000	27500

- Save changes to a new file named “Employee_Data.csv”