

NATIONAL PUBLIC SCHOOL, HSR, BANGALORE
Grade 12-ASSIGNMENT 2 2022 - 2023
TEXT FILE HANDLING

Instructions:-

- *The programs should be user friendly.*
- *Program should have comment at the top with given information*
“””Assignment1 Question1 Done By Your Name
Date “””
- *Program should be documented properly with necessary comments.*
- *The program outputs should formatted. Make a word file and copy the output screenshots.*
Students can take the print of the sample output.

Q1 Write menu driven python program to create a text file **story.txt** and perform given operations. The menu options are:-

- 1) Add more content to the file.
- 2) Display the entire file content
- 3) Read the contents of the file story.txt and display the report.
No. Alphabets
No. of digits
No. of Spaces
No. of Special Characters.
- 4) Read the contents of the file story.txt and display the report.
No. uppercase vowels
No. lowercase vowels
No. consonants
- 5) Read the contents of the file story.txt and display the report.
No. of words
No. of lines.

For each menu write a function and call it in the main program.

Q2 Write menu driven python program to create a text file **performance.txt** and store information of students like (name, rollno, marks of three subjects) and perform given operations. The menu options are:-

- a) Add Student Info
- b) Display in tabular way all students' information.
- c) Display all the student name and their percentage.(%marks=sum of three subject marks*100/total marks)
- d) Display the top three students as per the percentage.
- e) Search for a particular student(by name)

For each menu write a function and call it in the main program.

Q3 Write menu driven python program to create a text file **poem.txt** and perform given operations. The menu options are:-

- 1) Add more content to the file.
- 2) Display the entire file content
- 3) Count the number of times a particular word is present in the file. Input the word from the user.

- 4) Remove the lines which start with a particular alphabet. Input the alphabet from user.
 - 5) Display the size of the file.
 - 6) Display the most used word from the file. Ignore the common words like “is”, “a”, “an”, “the”, ”in”, ”and”, ”of”, ”it”, ”then”, ”that”.
 - 7) Remove the extra spaces and blank lines from the file.
- For each menu write a function and call it in the main program.