

NAME : _____ CS 4350 – Unix Systems Programming

Serial Number:

Assignment Number: _____

Due Date: 2 / 24 / 2025 No Later than 5:15 pm

Write the above as comments at the beginning of your script.

Write a script that does the following:

1. Create a File **zNew.txt**.
2. Add The following lines to the created file :

```
Spring 2025
CS4350
Section #
251
scripts and shell programming using
zeus ide
@ TEXAS STATE UNIVERSITY
```

3. Display the content of the created file.
4. Display all lines with alphabet characters.
5. Display all lines with digits.
6. Display all lines with lowercase characters.
7. Display all lines with uppercase characters.
8. Display all lines with alphanumeric characters.
9. Display all lines with punctuation characters.
10. Display all the lines with the letter s followed by space.

11. Display all the lines with the word zeus followed by space
12. Display all the line that the word programming appears at the end of the line.
13. Display all the lines that the word Spring appears at the beginning of the sentence.
14. Display all lines that has a word that starts with C and ends with 0
15. Display all lines that contain a word that starts with s and end with l
16. Delete the existing File zNew.txt.
17. Display the content of zNew.txt. Display a message if the file does not exist.

Notes :

1. Each of the above items may be implemented in a separate function.

Instructions :

1. The programs must be syntactically and logically correct. The program will be tested **using Zeus Server** at the university.
2. The output format is the same as the format shown in the sample run.
3. You must upload your solution **using Canvas** – Make sure you include the above as comments in your program.
4. Make sure that you name your homework document as follows :

HW3_FirstNameLastNameLastName.sh

Where FirstName is your First Name followed by last name

For example, the file name should look something like :

HW3_HusainGholoom.sh

You must upload your programs no later than 5:15 pm on the due date. **No late assignments will be accepted, No extensions will be provided after 24 hours passed the deadline**

Late Assignments :

For each 24-hour period that the assignment is late, your assignment grade will be eligible to receive 15% less points.

For example, 24 hours beyond the deadline, your assignment grade would be capped at 85%.

After 24 hours (one days) beyond the deadline, you will receive zero points for the assignment .

Maximum points for this assignment is 10 points. The following points will be deducted if:

- Missing electronic copy, submitting incorrect file format. (- 10 points)
- Compilation Errors (- 7.5 points)
- Logical Errors (at least .75 points)
- Other (at least 1 points) if any of the following takes a place :
 - Incorrect program file name.
 - Incorrect Style **such as but not limited to** Missing Header comments, missing footer comments, not replacing my name with your name, missing section number, incorrect output format.

Sample Run: The script starts her

Shell Programming By Husain Gholoom

1. Creating a new File **zNew.txt**.
2. The content of the created file is :
3. All lines with alphabet characters :
4. All lines with digits :
5. All lines with lowercase characters :
6. All lines with uppercase characters :
7. All lines with alphanumeric characters :

8. All lines with punctuation characters :
9. All the lines with the letter s followed by space :
10. All the lines with the word zeus followed by space :
11. All the line that the word programming appears at the end of the line :
12. All the lines that the word Spring appears at the beginning of the sentence :
13. All lines that has a word that starts with C and ends with O :
14. All lines that contain a word that starts with s and end with l :

15. Deleting the existing File zNew.txt

16. Display the content of zNew.txt :

Prepared by Husain Gholoom

2 – 24 - 2025