**File and Regular expressions Seminar**

1. Create a folder called Sem10; inside create 5 files named File1.c File2.c File3.c File4 File5 using brace expansion.

   touch File{1..3}.c File{4..5}

2. In the same folder create the files Teste.txt Testf.txt Testg.txt using a brace expansion

   touch Test{e..g}.txt

3. In the same folder create the files Teste.txt Testf.txt Testg.txt using a brace expansion

4. In the same folder create the files Testa12.txt Testc12.txt Teste12.txt Testa15.txt Testc15.txt Teste15.txt Testa18.txt Testc18.txt Teste18.txt using brace expansion

   touch Test{a..e..2}{12..18..3}.txt

5. Write out the command to list the files containing a digit in their name in the folder Sem10.

   ls *[0-9]*

6. Write out a regular expression to test for a string of the form for example 28/10/23 or 09/01/25, 55/56/67

   ^[0-9]{2}\/[0-9]{2}\/[0-9]{2}$

7. Write out a regular expression that will match a string to start with a letter followed by any combination of letters or numbers but no special characters.

   ^[a-zA-Z][a-zA-Z0-9]*$

8. Write out string that will match the following regular expression.

   ^[0-9]?[abcA-C]{2,3}$

   0ab abc 7abc 4aBC 2BB 2BBB

9. Write a bash script to test for your solutions for Q6 to Q8

10. Write a bash script that prompts the user for the date and loops until it is of the correct form day/month/year

    Legal values 2/3/23 12/12/2023 etc. illegal value 39/99/77