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## Final Lab Exam

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### Linux Commands:

- Q1) Write a command to show current files/directories with detailed information for each one.
- Q2) Write a command to remove files [boo/too/foo/noo] just in one statement.
- Q3) Write a command to create a file called `f1.txt` then add text “Hello Arafat” then save, then concatenate “How Are You” to the content of this file (without using Nano or Vi Editor in concatenation step).
- Q4) Write the steps to permanently create an environment variable in your terminal.
- Q5) Search for specific process by its name “docker” with UserID 1001.
- Q6) Create a zipped & compressed file called “myarchive” that contains `f1.txt`, `f2.txt`, `f3.txt` files (one step), then unzip the file then uncompress it (two steps).

### Bash Script:

- Q7) Write a Bash Script to make a small calculator, the user will enter three variables num1, num2 & sign then for each sign (+-\*/) print the corresponding expected result.
- Q8) Write a Bash Script to calculate the factorial of number N entered by the user.  
(Hint: use while/for loop)

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Good Luck 😊