# ISS Lab 2 Activity

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1) Complete the given tasks before the lab ends i.e. 5PM.
2) For the Love of God don't copy! If you have any doubts feel free to ask the TAs in your respective channel.
3) Submission to be made in your respective github repository created by github classroom and moodle.

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## Task1:

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Write a script **'q1.sh'** to multiply three numbers which are provided as command line arguments. Display error message if correct number of arguments are not provided. The numbers to be multiplied **need not always be integers. - (4 marks)**

## Task2:

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Consider the file "hamlet.txt". Write one script '**q2.sh**' to do the following

1) Display all occurrences (case insensitive) of the word "to"in the file. **- (2 marks)**
2) In the same file, display all the lines in which the word "is" occurs (not as a part of any other word). (Words like "despised" should not be present in your output). **- (2 marks)**
3) Display the line that contains the word "bear" and also the following 2 lines. **- (2 marks)**
4) Remove write and execute access from the file "hamlet.txt" for group and others **- (2 marks)**
5) Allow everyone to read the same file (hamlet.txt), using a single command. **- (2 marks)**
6) View all the groups that the current user account is attached to. **- (2 marks)**
7) List all the files from your current directory for which group has execute permissions. (Hint:piping, grep) **- (4 marks)**

## Task3:

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Write one script **'q3.sh'** to do the following:

1) Create a new file named "o1.txt", which contains the calendar for this month. (use **cal** command to get the calendar). **- (2 marks)**

2) To the same file, append today's date (using the **date** command). **- (2 marks)**
3) Now append "IIIT Hyderabad is cool" 100 times to the end of the file. **- (2 marks)**
4) Display the contents of the file "o1.txt". **- (2 marks)**
5) Display the first 3 lines of the file. **- (2 marks)**
6) Display the lines 6 to 15. **- (2 marks)**
7) Display the number of lines in the output of task 3, using piping. **- (2 marks)**
8) Using the echo command, write the string "ISS Zindabad" in a new file called "o2.txt". **- (2 marks)**
9) Print the number of words in the file "o2.txt". **- (2 marks)**
10) Append the line "I am Kassi." in the same file ("o2.txt"). **- (2 marks)**
11) Print the number of lines in the file "o2.txt". **- (2 marks)**
12) Print the 4th column of the file "o1.txt". **- (2 marks)**
13) Print from column number 2 to column number 5 (both included) of the file "o1.txt". **- (2 marks)**
14) Print from the third column, everything till the n-5$^{th}$ line of the file "o1.txt". **- (2 marks)**
15) Print the second and the fourth words of every row from the file "o1.txt" using a single command (Hint: space delimiter). **- (2 marks)**

    Example: If your file "o1.txt" contains:

    Happy new year to all!
    Corona chal hatt xD.

    Output:

    new to
    chal xD.