Bahria University,

Karachi Campus



LAB EXPERIMENT NO.

\_\_\_04\_\_\_\_

LIST OF TASKS

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| --- | --- |
| TASK NO | OBJECTIVE |
| 1 | **Write a shell script to count all files and folders present in directory and stored the output into a text file and display its content on the terminal** |
| 2 | **Write a single shell script that creates four different files, while taking the names of all created files as input from the user. As the files content, insert your name in the first file, registration number in the second and section details in the third. These should be followed by merging the contents of all three files into the fourth one.** |
| 3 | **Write a shell script that either performs a file sort, file search or directory listing operation based on the user’s selection of the operation he/she would like to execute.** |
| 4 | **Write a C program that takes values of two matrices of size (𝑚×1) and (1×𝑛) as input from the user. Multiply the above two matrixes and store the resulting (𝑚×𝑛) matrix in a 2D array. Display the contents of the first and second matrices and also the resulting matrix. Achieve alignment in the displayed content as much possible.** |
|  |  |

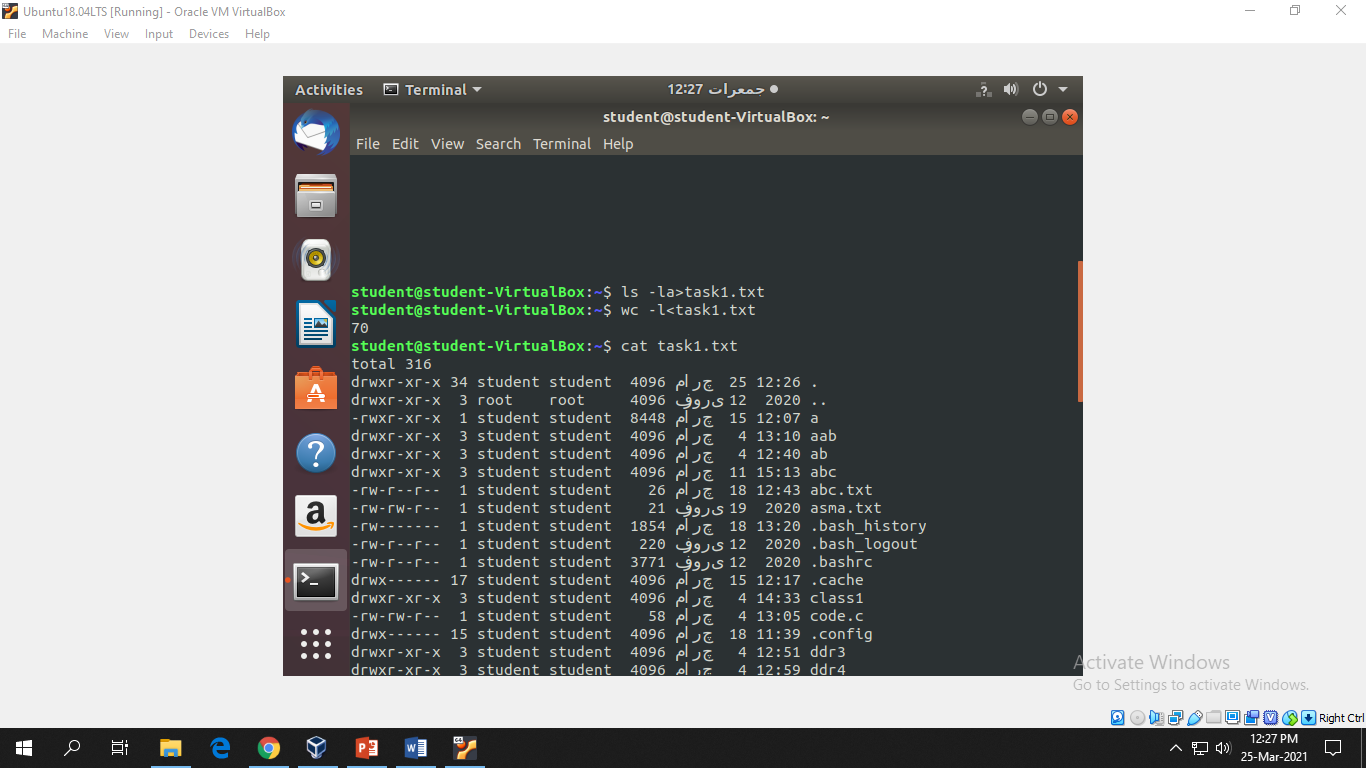
Submitted On:

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(Date: / /2021)

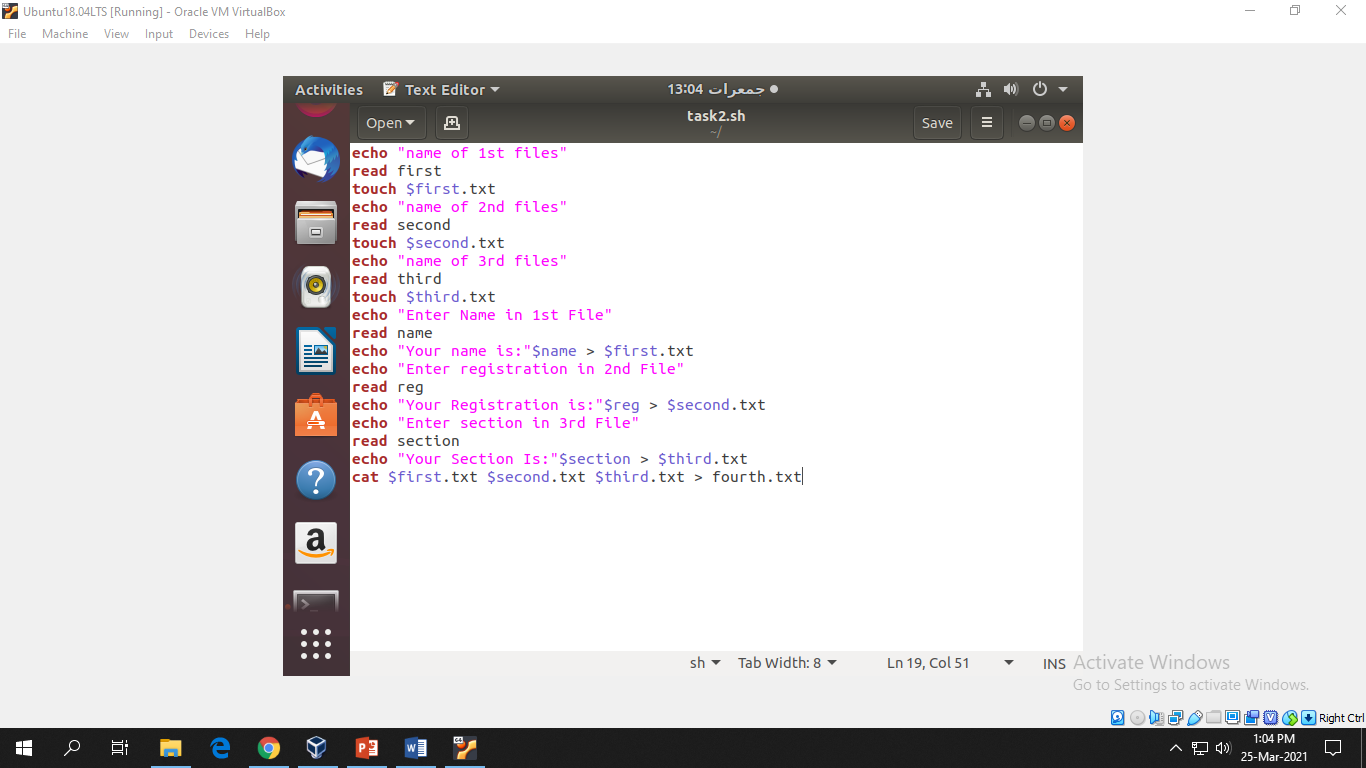
**Task No. 1: Write a shell script to count all files and folders present in directory and stored the output into a text file and display its content on the terminal.**

**Solution: & OUTPUT**:

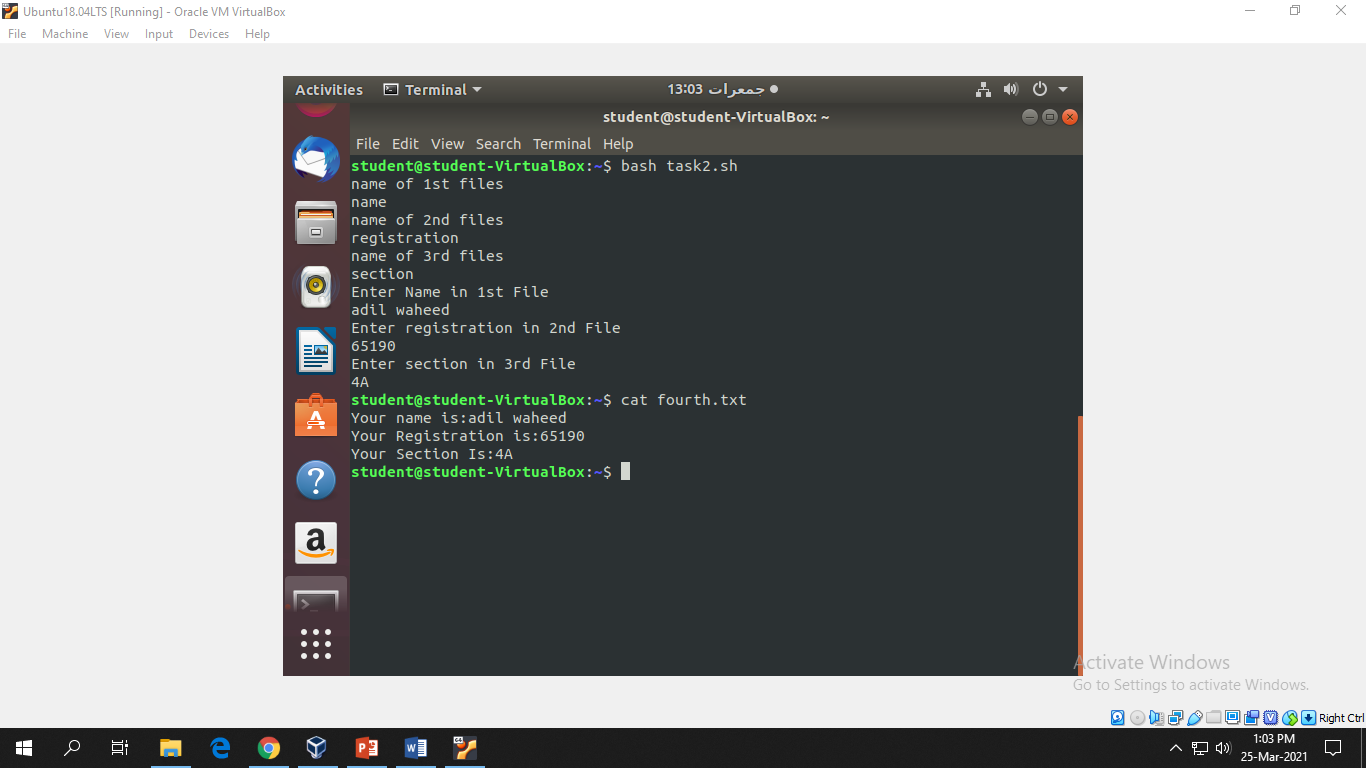


**Task No. 2: Write a single shell script that creates four different files, while taking the names of all created files as input from the user. As the files content, insert your name in the first file, registration number in the second and section details in the third. These should be followed by merging the contents of all three files into the fourth one.**

**Solution:**

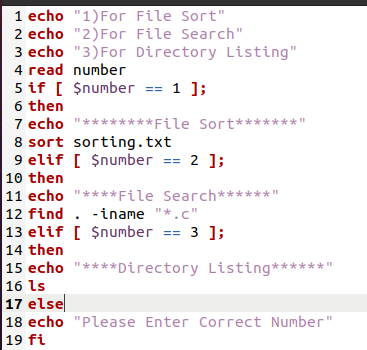
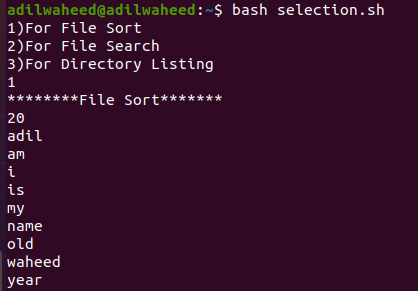


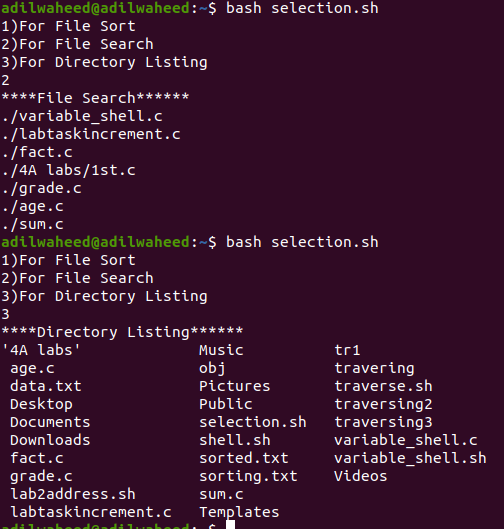
**OUTPUT**:



**Task No. 3:** **Write a shell script that either performs a file sort, file search or directory listing operation based on the user’s selection of the operation he/she would like to execute**

**Solution: & OUTPUT**:

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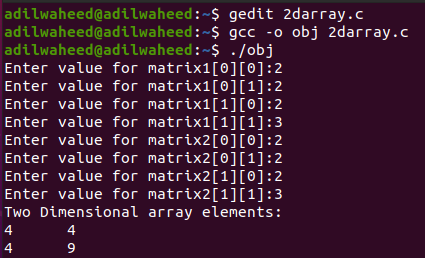
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**Task No. 4:** **Write a C program that takes values of two matrices of size (𝑚×1) and (1×𝑛) as input from the user. Multiply the above two matrixes and store the resulting (𝑚×𝑛) matrix in a 2D array. Display the contents of the first and second matrices and also the resulting matrix. Achieve alignment in the displayed content as much possible.**

**Solution:**



**OUTPUT**:

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