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### **Exercise From Lab 5**

1. Write Linux command to add execute permission for the owner, and remove write permission for the group and others

Answer: **chmod u+x,g-w,o-w file.txt**

2. How do you change the permissions of a file to read, write, and execute for the owner, read and execute for the group, and no permissions for others.

Answer: **chmod 750 file.txt**

3. Sort the lines of a file named "unsorted.txt" in descending/reverse order.

Answer: **sort -r unsorted.txt**

4. Display information about users who are currently logged in.

Answer: **who**

5. Extract the first 15 characters from each line of a file named "details.txt."

Answer: **cut -c 1-15 details.txt**

6. Remove duplicate consecutive lines from a sorted file named "sorted.txt."

Answer: **sort -u sorted.txt**

7. Concatenate three files, "file1.txt," "file2.txt," and "file3.txt," into a new file named "combined.txt."

Answer: **paste file1.txt file2.txt file3.txt > combined.txt**

8. Allow read and execute permissions for the user and group and read permission for other on a directory named "shared\_folder."

Answer: **chmod 554 shared\_folder**

9. Search for the word "error" in a file named "problem.txt".

Answer: **grep "error" problem.txt**

10. Find and display all lines in a file named "todo.txt" that start with the word "urgent."

Answer: **grep -i "urgent" todo.txt**