Linux Commands

1.MKDIR

1.How do you create a single directory named projects?
command : mkdir projects

2.write the commands to create multiple directories named directories named dir1,dir2,and dir3
command : mkdir dir1 dir2 dir3

3.How do you create a directory structure parent/child in a single command?
command : mkdir -p parent/child

4.write a command to create a directory named data with permissons 755
command : mkdir data
          chmod 755 data
5.How can you create a directory named backup and suppress error message if it already exists?
command : mkdir -p backup

6.create a directory named logs inside a non-existing directory named test1 to test5 using brace expansion.
command : mkdir -p test{1..5}/logs

7.Write a command to create directories named test1 to test5 using brace expansion.
command : mkdir test{1..5}

8.How can you create a directory named files in /tmp without navigating to /tmp first?
command : mkdir -p tmp/files

9.Write the command to create a directory structure dept/sem1/subjects in one step.
commands : mkdir -p dept/sem1/subjects

10.What is the command to create a Directory named project,but ensure no parent directory exists?
command : mkdir project

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ls

1.How do you list all files and directories in the current directory?
command : ls

2.Write the command to display hidden files in the current directory.
command : ls -a

3.How do you list the contents of a specific directory named documents ?
command : ls documents

4.Write a command to display detailed information (permissions, owner, size, etc.) of files in the current directory.
command : ls -l

5.How do you list files in the current directory sorted by modification time?
command : ls -lt

6.Write a command to display the contents of the current directory, including subdirectories, in a tree like format.
command :

7.How can you list files with their sizes in a human-readable format?
command : ls -sh backup

8.write a command to list files in reverse order.
command : ls -r backup

9.How do you display only the directories in the current directory?
command : ls -d */

10.Write the command to list files in the current directory,sorted by file size.
command : ls -sS

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                                    cat

1.How do you display the contents of a file named notes.txt ?
command : cat notest.txt

2.Write the command to create a new file named report.txt using cat.
command : cat > report.txt

3.How can you concatenates the contents of file1.txt and file2.txt and display them?
command : cat file1.txt file2.txt

4.Write a command to append the content of append.txt on a existing file main.txt ?
command : cat >> append.txt main.txt

5.How do you display line numbers while showing the contents of a file named script.sh?
command : cat -n notes.txt

6.Write a command to display the contents of data.txt without multiple blank lines.
command : cat -s data.txt

7.How do you combine file1.txt and file2.txt into a new file named combine.txt ?
command : cat file1.txt file2.txt >> combine.txt