Ex - 05

20*50 = 1000

Write all commands in 1 text file and send it.

If a directory or file doesn't exists, create that.

1. Create a file named `example.txt` and set its permissions to `read` and `write` for the owner, and `read` only for the group and others.

2. Change the permissions of `example.txt` so that it is only readable by the owner.

3. Create a directory named `mydir` and set its permissions so that the owner can read, write, and execute, the group can read and execute, and others can read only.

4. Make a file named `script.sh` executable by the owner.

5. Change the permissions of `script.sh` so that everyone can read and execute it, but only the owner can write to it.

6. Create a file named `data.csv` and set its permissions so that only the owner can read and write to it, and no one else can access it.

7. You have a file `project.docx`. Set its permissions to read and write for the owner, and no permissions for the group and others.

8. Change the permissions of a directory named `backup` so that the owner has all permissions, the group has read and execute permissions, and others have no permissions. Ensure that these permissions apply recursively to all files and subdirectories.

9. Create a file named `shared.txt` and set its permissions so that the owner has read and write permissions, the group has write permissions only, and others have no permissions.

10. Change the permissions of a file `logs.log` so that the owner and group can read and write to it, but others cannot access it.

11. Compress a file named `document.txt` using gzip.

12. Decompress a gzip file named `archive.gz`.

13. Create a zip archive named `files.zip` containing `file1.txt` and `file2.txt`.

14. Unzip an archive named `data.zip`.

15. Compress a directory named `project` using tar and gzip into `project.tar.gz`.

16. Decompress a tar.gz file named `backup.tar.gz`.

17. Create a tar.bz2 archive of a directory named `source_code` into `source_code.tar.bz2`.

18. Extract a tar.bz2 file named `data.tar.bz2`.

19. Compress a file named `logfile.log` using xz.

20. Create a 7z archive named `archive.7z` containing `file1.txt`, `file2.txt`, and the directory `docs`.