**Q1. Create the following users, groups, and group memberships:**

- A group named admin

- A user harry who belongs to admin as a secondary group

- A user natasha who also belongs to admin as a secondary group

- A user sarah who does not have access to an interactive shell on the system, and who is not a member of admin

- harry, natasha, and sarah should all have the password as "password@123"

- user mac with user id 3553

NOTE: Make sure that user harry, mac and natasha must have home dirs and shell /bin/bash

**Q2. Create a collaborative directory /common/adm with the following characteristics:**

- The directory should be readable, writable, and accessible to members of owning group but not to any other user. (It is understood that root has access to all ﬁles and directories on the system.)

**Q3. You need to change the permissions of a file named schedule.txt such that the file owner can edit the file, users who are members of the group that owns the file can edit it, and users who are not owners and do not belong to the owning group can view it but not modify it. Which command will do this?**

**Q4. Create a dir and creates 10000 files under it, assign permissions to all files as user owner can read, edit and execute, group owner can read & execute, and read permission to others.**