

SECTION 1

- `$mkdir syllabus` #created the directory “syllabus” that has access to faculty and students.
- `$mkdir lecture-slides` #created the directory “lecture-slides” that has access to faculty and students.
- `$mkdir references` #created the directory “references” that has access to faculty and students.
- `$mkdir surveys` #created the directory “surveys” that has access to faculty and students.
- `$mkdir mails` #created the directory “mails” that has access to office staff and Patrick Neal.
- `$mkdir students-records` #created the directory “students-records” that has access to office staff and Patrick Neal.
- `$mkdir financial-data` #created the directory “financial-data” that has access to the office staff and Patrick Neal.

SECTION 2

- `$sudo useradd VivekNehruc` #created user that will be placed into the faculty group
- `$sudo useradd PatrickNeal` #created user that will be placed into the faculty group, but will also be placed in the student and office staff group
- `$sudo useradd AlizabethGore` #created user that will be placed into the faculty group
- `$sudo useradd RebecaRice` #created user that will be placed into the faculty group
- `$sudo useradd LeonardoWood` #created user that will be placed into the faculty group
- `$sudo useradd student-1` #created user that will be placed into the student group
- `$sudo useradd student-2` #created user that will be placed into the student group
- `$sudo useradd student-3` #created user that will be placed into the student group
- `$sudo useradd student-4` #created user that will be placed into the student group
- `$sudo useradd student-5` #created user that will be placed into the student group
- `$sudo useradd student-6` #created user that will be placed into the student group
- `$sudo useradd student-7` #created user that will be placed into the student group
- `$sudo useradd student-8` #created user that will be placed into the student group
- `$sudo useradd NickyBrown` #created user that will be placed into the office-staff group
- `$sudo user BeckWashington` #created user that will be placed into the office-staff group

SECTION 3

Note: password is Faculty123 for users in the faculty group

Note: password is Student123 for users in the student group

Note: password is Staff123 for users in the office-staff group

- `$sudo passwd VivekNehruc` #created the password for the current user
- `$sudo passwd PatrickNeal` #created the password for the current user
- `$sudo passwd AlizabethGore` #created the password for the current user
- `$sudo passwd RebecaRice` #created the password for the current user
- `$sudo passwd LeonardoWood` #created the password for the current user
- `$sudo useradd Student-1` #created the password for the current user
- `$sudo useradd Student-2` #created the password for the current user
- `$sudo useradd Student-3` #created the password for the current user
- `$sudo useradd Student-4` #created the password for the current user
- `$sudo useradd Student-5` #created the password for the current user
- `$sudo useradd Student-6` #created the password for the current user
- `$sudo useradd Student-7` #created the password for the current user
- `$sudo useradd Student-8` #created the password for the current user
- `$sudo useradd NickyBrown` #created the password for the current user
- `$sudo useradd BeckWashington` #created the password for the current user

SECTION 4

- `$sudo groupadd Students` #created a group called "Students"
- `$sudo groupadd Faculties` #created a group called "Faculties"
- `$sudo groupadd Office-Staff` #created a group called "Office-Staff"
- `$sudo usermod -a -G students Student-1, Student-2, Student-3, Student-4, Student-5, Student-6, Student-7, Student-8` #Will add all the users into the group called students
- `$sudo usermod -a -G Office-Staff NickyBrown, BeckWashington` #Adds the user to the Office-Staff group
- `$sudo usermod -a -G Faculties VivekNehruc, PatrickNeal, AlizabethGore, RebecaRice, LeonardoWood` #Will add all the users into the group called Students
- `#sudo usermod -a -G Students, Office-Staff PatrickNeal` #Adds the principle to the groups: Students and Office-Staff

SECTION 5

- `$sudo getfacl ~/syllabus` #Lets you see the file permission
- `$sudo getfacl ~/references` #Lets you see the file permission
- `$sudo getfacl ~/lecture-slides` #Lets you see the file permission
- `$sudo setfacl -m u:PatrickNeal:rwx ~/syllabus` #Lets Patrick Neal read, write, and execute
- `$sudo setfacl -m g:faculties:rw ~/surveys` #Lets the faculties read and write
- `$sudo setfacl -m g:faculties:rw ~/references` #Lets the faculties read and write

- `$sudo setfacl -m g:faculties:rw ~/lecture-slides #Lets the faculties read and write`
- `$sudo setfacl -m u:PatrickNeal:rwX ~/references #Lets Patrick Neal read, write, and execute`
- `$sudo setfacl -m u:PatrickNeal:rwX ~/lecture-slides #Lets Patrick Neal read, write, and execute`
- `$sudo setfacl -m u:PatrickNeal:rwX ~/mails #Lets Patrick Neal read, write, and execute`
- `$sudo setfacl -m u:PatrickNeal:rwX ~/students-records #Lets Patrick Neal read, write, and execute`
- `$sudo setfacl -m u:PatrickNeal:rwX ~/financial-data #Lets Patrick Neal read, write, and execute`
- `$sudo setfacl -m g:students:r ~/syllabus #Lets students read the directory`
- `$sudo setfacl -m g:students:r ~/references #Lets students read the directory`
- `$sudo setfacl -m g:students:r ~/lecture-slides #Lets students read the directory`