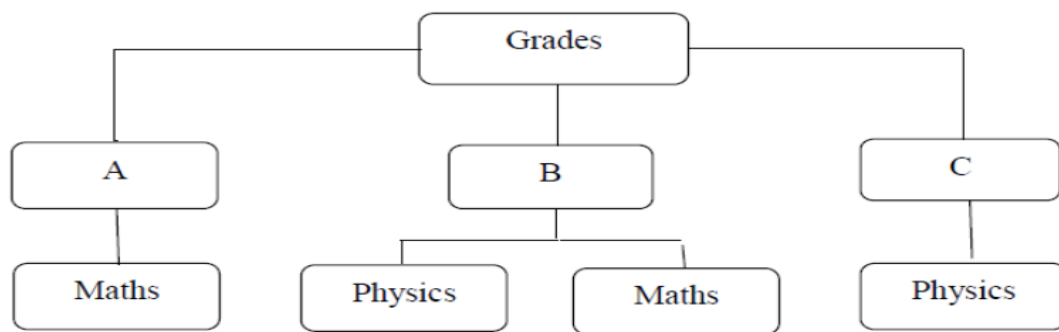


Name: Basharat Hussain
Roll no: 17p-6102
Section: 6B
Lab: Operating System Lab

Exercise 1

Implement the following directory tree using Ubuntu using commands.



Command:

```
mkdir -p Grades/{A/Math,B/{Physics,Math},C/Physics}
```

This command will create new directory named as “Grades” and its sub directories named as “A”, “B”, and “C”. In “A” it also create sub directory named as “Math”. In “B” it also creates “Physics” and “Math”. In “C” it also create sub directory named as “Physics”.

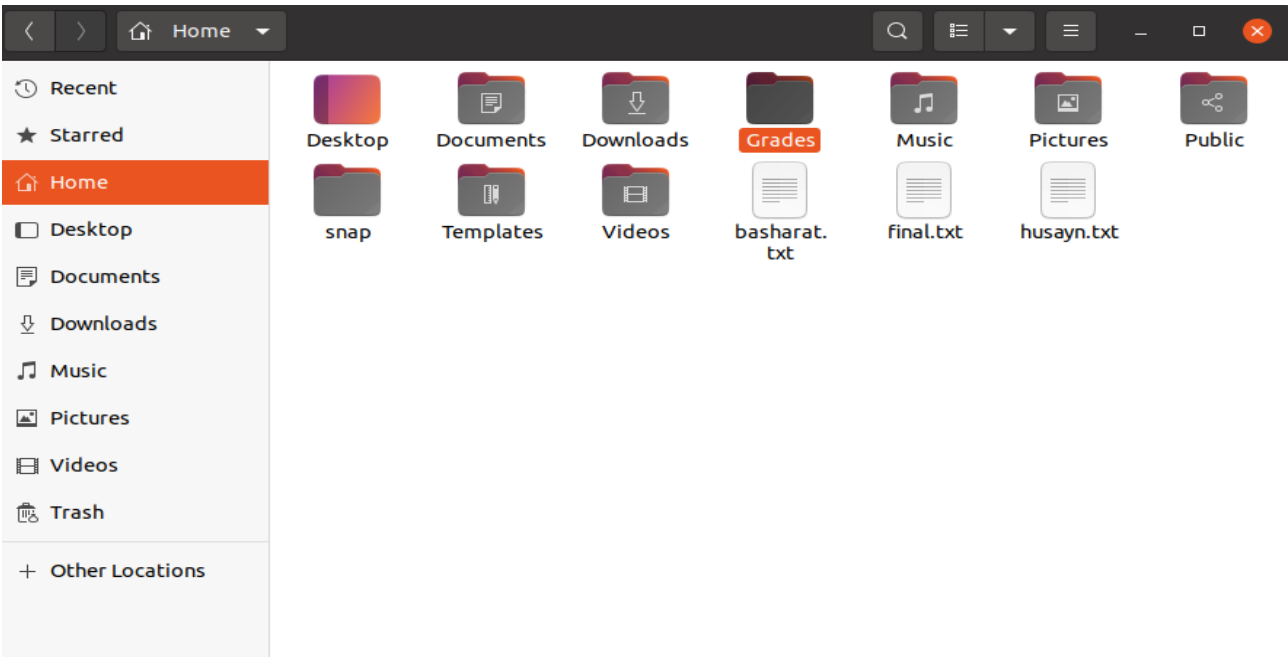
```
dark-vamp@darkvamp-ThinkPad-T440p: ~  
dark-vamp@darkvamp-ThinkPad-T440p:~$ mkdir -p Grades/{A/Math,B/{Physics,Math},C/Physics}  
dark-vamp@darkvamp-ThinkPad-T440p:~$
```

Show Tree of directories

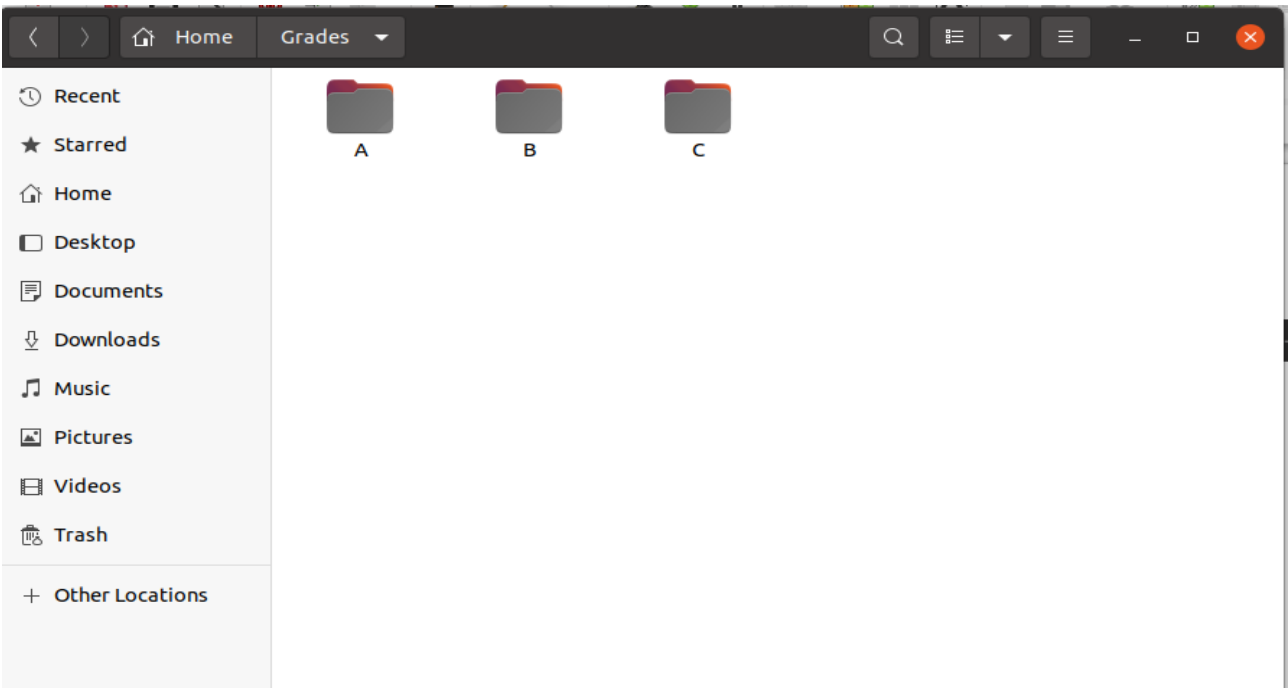
```
dark-vamp@darkvamp-ThinkPad-T440p: ~/Grades/C
dark-vamp@darkvamp-ThinkPad-T440p:~$ mkdir -p Grades/{A/Math,B/{Physics,Math},C/Physics}
dark-vamp@darkvamp-ThinkPad-T440p:~$ cd Grades
dark-vamp@darkvamp-ThinkPad-T440p:~/Grades$ tree
.
├── A
│   └── Math
├── B
│   ├── Math
│   └── Physics
└── C
    └── Physics

7 directories, 0 files
dark-vamp@darkvamp-ThinkPad-T440p:~/Grades$ ls
A  B  C
dark-vamp@darkvamp-ThinkPad-T440p:~/Grades$ cd A
dark-vamp@darkvamp-ThinkPad-T440p:~/Grades/A$ ls
Math
dark-vamp@darkvamp-ThinkPad-T440p:~/Grades/A$ cd ..
dark-vamp@darkvamp-ThinkPad-T440p:~/Grades$ cd B
dark-vamp@darkvamp-ThinkPad-T440p:~/Grades/B$ ls
Math  Physics
dark-vamp@darkvamp-ThinkPad-T440p:~/Grades/B$ cd ..
dark-vamp@darkvamp-ThinkPad-T440p:~/Grades$ cd C
dark-vamp@darkvamp-ThinkPad-T440p:~/Grades/C$ ls
Physics
dark-vamp@darkvamp-ThinkPad-T440p:~/Grades/C$
```

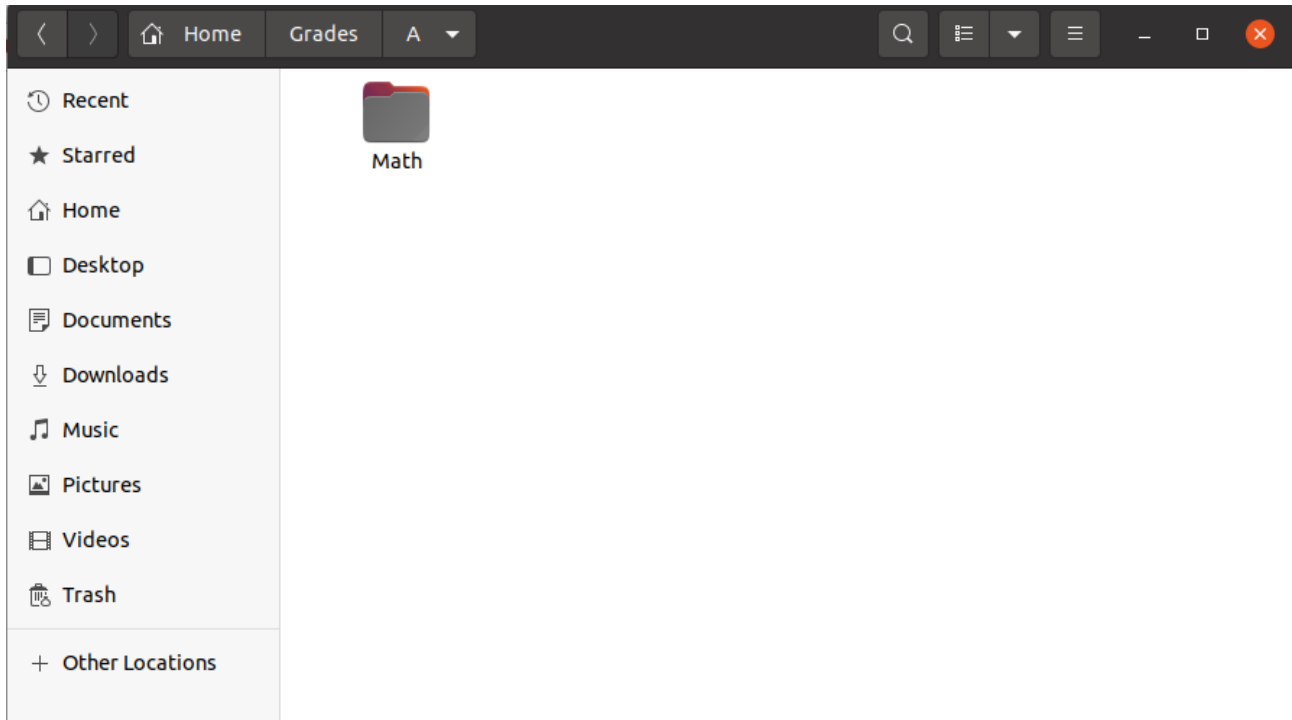
Here we can see the directory named as “Grades”.



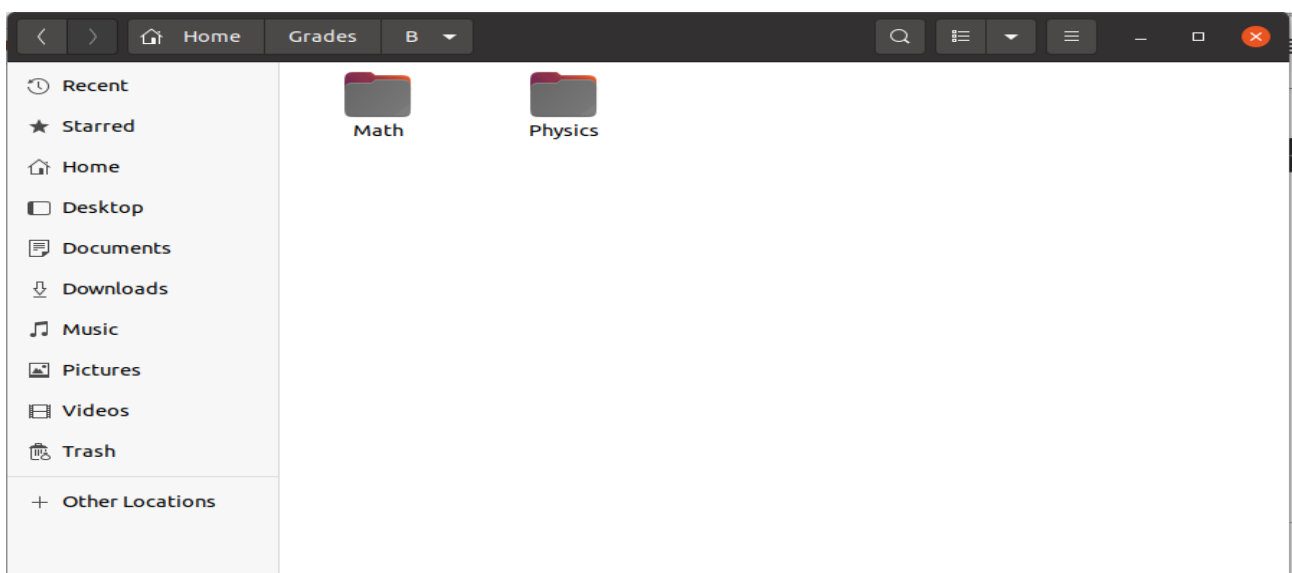
When we open the “Grades” directory here it shows three sub- directories named as A,B and C.



When we open sub directory “A” then here is another sub directory named as “Math”.



When we open sub directory “B” then here is another two sub directories make named as “Math” and “Physics”.



When we open sub directory “C” then here is another sub directory make named as “Physics”.

