**Lab 2**

**Aim**: Create a directory Vehicle. Enter Vehicle and create three more directories with names FourWheelers, ThreeWheelers and TwoWheelers. Enter FourWheeler, create directories car, bus and truck. In ThreeWheeler, create directory auto and in TwoWheelers, create directories cycle and scooty. In car directory, create files carnames.txt, busnames.txt, trucknames.txt, autocolor.txt and cyclenames.txt. Move all files in the correct directories. Also remove truck directory.

localhost:~# mkdir Vehicle

localhost:~# ls

Vehicle     bench.py    hello.c     hello.js    readme.txt

localhost:~# cd Vehicle

localhost:~/Vehicle# mkdir FourWheelers

localhost:~/Vehicle# mkdir ThreeWheelers

localhost:~/Vehicle# mkdir TwoWheelers

localhost:~/Vehicle# ls

FourWheelers   ThreeWheelers  TwoWheelers

localhost:~/Vehicle# cd FourWheelers

localhost:~/Vehicle/FourWheelers# mkdir car

localhost:~/Vehicle/FourWheelers# mkdir bus

localhost:~/Vehicle/FourWheelers# mkdir truck

localhost:~/Vehicle/FourWheelers# ls

bus    car    truck

localhost:~/Vehicle/FourWheelers# cd ..

localhost:~/Vehicle# cd ThreeWheelers

localhost:~/Vehicle/ThreeWheelers# mkdir auto

localhost:~/Vehicle/ThreeWheelers# ls

auto

localhost:~/Vehicle/ThreeWheelers# cd ..

localhost:~/Vehicle# cd TwoWheelers

localhost:~/Vehicle/TwoWheelers# mkdir cycle

localhost:~/Vehicle/TwoWheelers# mkdir scooty

localhost:~/Vehicle/TwoWheelers# ls

cycle   scooty

localhost:~/Vehicle/TwoWheelers# cd ..

localhost:~/Vehicle# cd FourWheelers

localhost:~/Vehicle/FourWheelers# cd car

localhost:~/Vehicle/FourWheelers/car# touch carnames.txt

localhost:~/Vehicle/FourWheelers/car# cat > carnames.txt

Mercedes

Volvo

localhost:~/Vehicle/FourWheelers/car# touch busnames.txt

localhost:~/Vehicle/FourWheelers/car# cat > busnames.txt

JBM Auto

Eicher Motors

localhost:~/Vehicle/FourWheelers/car# touch trucknames.txt

localhost:~/Vehicle/FourWheelers/car# cat > trucknames.txt

Tata Motors

Mahindra

localhost:~/Vehicle/FourWheelers/car# touch autocolor.txt

localhost:~/Vehicle/FourWheelers/car# cat > autocolor.txt

black

yellow

localhost:~/Vehicle/FourWheelers/car# touch cyclenames.txt

localhost:~/Vehicle/FourWheelers/car# cat > cyclenames.txt

Kross

BSA

localhost:~/Vehicle/FourWheelers/car# ls

autocolor.txt   busnames.txt    carnames.txt    cyclenames.txt  trucknames.txt

localhost:~/Vehicle/FourWheelers/car# mv autocolor.txt ../../ThreeWheelers/auto

localhost:~/Vehicle/FourWheelers/car# ls

busnames.txt    carnames.txt    cyclenames.txt  trucknames.txt

localhost:~/Vehicle/FourWheelers/car# mv busnames.txt ../bus

localhost:~/Vehicle/FourWheelers/car# ls

carnames.txt    cyclenames.txt  trucknames.txt

localhost:~/Vehicle/FourWheelers/car# mv cyclenames.txt ../../TwoWheelers/cycle

localhost:~/Vehicle/FourWheelers/car# ls

carnames.txt    trucknames.txt

localhost:~/Vehicle/FourWheelers/car# mv trucknames.txt ../truck

localhost:~/Vehicle/FourWheelers/car# ls

carnames.txt

localhost:~/Vehicle/FourWheelers/car# cd ..

localhost:~/Vehicle/FourWheelers# ls

bus    car    truck

localhost:~/Vehicle/FourWheelers# rm -rf truck

localhost:~/Vehicle/FourWheelers# ls

bus  car

List of Commands:

1. grep – Search for a pattern in files

localhost:~# grep "console" hello.js

2. ps – Display information about active processes

localhost:~# ps

3. df – Display disk space usage

localhost:~# df

4. history – Show Command History

localhost:~# history

5. sudo – Execute a command with super user privileges

localhost:~# sudo -h