

SFTP

```
Student@adminsys27-OptiPlex-3050: ~  
Student@adminsys27-OptiPlex-3050:~$ sftp student@172.16.6.97  
student@172.16.6.97's password:  
Connected to 172.16.6.97.  
sftp>  
  
Student@adminsys27-OptiPlex-3050:~$ sftp student@172.16.6.97  
student@172.16.6.97's password:  
Connected to 172.16.6.97.  
sftp> get BST.java  
Fetching /home/student/BST.java to BST.java  
/home/student/BST.java 100% 1261 437.0KB/s 00:00  
sftp>
```

ls

```
Student@adminsys27-OptiPlex-3050: ~  
Student@adminsys27-OptiPlex-3050:~$ sftp student@172.16.6.97  
student@172.16.6.97's password:  
Connected to 172.16.6.97.  
sftp> ls  
BST.java          040_external      88.mdj            BST.class  
Documents         Class_077.mdj     Collaboration_077.mdj Desktop  
ID3.ipynb         Downloads         Feature_Selection_Anova.ipynb HotelManagementUseCase(301).jpg  
Main.class       Internal_2.ipynb LDA.ipynb         LibraryUseCase(301).jpg  
Multi_Linear_regression Music             MinMax.class      MinMax.java  
NewFolder        Node.class        NM                NaiveBayes.ipynb  
Queueing.R       R                OnlineShoppingUseCase(301).jpg Pictures  
Untitled Document 1 a.out            Server.java       Templates  
a                Untitled.ipynb   Untitled1.ipynb  Videos  
activity it3 146.mdj airline.csv       anaconda3        ab.txt  
anu.txt          aprio.R          array.cpp         and.save  
barchart_age_student barchart_week_temperature.png c                auto-mpg.csv  
car.data         cbt              client            c.c  
comparison knn and bayes.ipynb decisionTreeInRforTitanicDataset client.c          decisiontree.csv  
dm week1        d3.py           dvr.java         dvr.tcl  
dvr1.tcl        dtree.R         ecom.html        examples.desktop  
ext005.ipynb   dvr2.tcl       fi.c             f2.c  
file.class     file.java       file.tcl         file1.tx.save  
files.py       ht.jpg         hist.jpg         input.txt  
it_019.sql     it_124.sql employee.sql   it_125.sql       it_146.sql  
it_1461.sql    it_179.sql     java             java.security.KeyPair  
java.security.PrivateKey java.security.Signature java.util.Scanner len5.c  
k means and dbscan.ipynb lenC            mail.dec         mail.enc  
logistic.ipynb lsr.py         mail.text.new   nadia.nam  
mail.text      mail.text.enc  nano.save       node-v18.18.0-linux-x64  
main.java     nam1.tcl       out1.nam        pie.jpg  
nam.tcl       randommail.enc randommail.txt  riyaz  
prog.c        rprog.R        samplenew.txt   s.c  
rosh1.csv     sample.txt     server          san5.txt  
s.txt        santhoshit    sha.java        server.c  
sanns.tcl     sliding.tcl   sliding.nam     sliding.out.nam  
server.c.save sha.java       sliding.out.nam  workspace
```

MKDIR :

```
s  
samlnew.txt      s.c              s.txt            sample.txt  
santhoshit      san5.txt         sanns.tcl        santhosh12  
santhoshit      server          server.c         server.c.save  
sha.java        sliding.nam      sliding.out.nam  sliding.tcl  
sliding.tcl.save sliding_window.tcl save  snap  
spambase.csv    temp            untitled.py      untitled1.py  
usecase.mdj     varun           vector.tcl       vignesh_Anna  
weka-3-8-3      weka-3-8-3.zip  wekafiles       workspace  
sftp> mkdir test_file  
sftp>
```

RMDIR :

```
Student@adminsys27-OptiPlex-3050: ~  
sftp> rmdir test_file  
sftp> ls  
BST.java          040_external      88.mdj            BST.class  
Documents         Class_077.mdj     Collaboration_077.mdj Desktop  
ID3.ipynb         Downloads         Feature_Selection_Anova.ipynb HotelManagementUseCase(301).jpg  
Main.class       Internal_2.ipynb LDA.ipynb         LibraryUseCase(301).jpg  
Multi_Linear_regression Music             MinMax.class      MinMax.java  
NewFolder        Node.class        NM                NaiveBayes.ipynb  
Queueing.R       R                OnlineShoppingUseCase(301).jpg Pictures  
Untitled Document 1 a.out            Server.java       Templates  
a                Untitled.ipynb   Untitled1.ipynb  Videos  
activity it3 146.mdj airline.csv       anaconda3        ab.txt  
anu.txt          aprio.R          array.cpp         and.save  
barchart_age_student barchart_week_temperature.png c                auto-mpg.csv  
car.data         cbt              client            c.c  
comparison knn and bayes.ipynb decisionTreeInRforTitanicDataset client.c          decisiontree.csv  
dm week1        d3.py           dvr.java         dvr.tcl  
dvr1.tcl        dtree.R         ecom.html        examples.desktop  
ext005.ipynb   dvr2.tcl       fi.c             f2.c  
file.class     file.java       file.tcl         file1.tx.save  
files.py       ht.jpg         hist.jpg         input.txt  
it_019.sql     it_124.sql employee.sql   it_125.sql       it_146.sql  
it_1461.sql    it_179.sql     java             java.security.KeyPair  
java.security.PrivateKey java.security.Signature java.util.Scanner len5.c  
k means and dbscan.ipynb lenC            mail.dec         mail.enc  
logistic.ipynb lsr.py         mail.text.new   nadia.nam  
mail.text      mail.text.enc  nano.save       node-v18.18.0-linux-x64  
main.java     nam1.tcl       out1.nam        pie.jpg  
nam.tcl       randommail.enc randommail.txt  riyaz  
prog.c        rprog.R        samplenew.txt   s.c  
rosh1.csv     sample.txt     server          san5.txt  
s.txt        santhoshit    sha.java        server.c  
sanns.tcl     sliding.tcl   sliding.nam     sliding.out.nam  
server.c      sliding_window.tcl save  snap  
server.c.save sha.java       sliding.out.nam  workspace
```

Get :

```
student@172.16.6.97's password:
Connected to 172.16.6.97.
sftp> get BST.java
Fetching /home/student/BST.java to BST.java
/home/student/BST.java                                100% 1261   437.0KB/s   00:00
sftp>
```

```
Student@admins27-OptiPlex-3050:~$ cat BST.java
cat: BST.java: No such file or directory
Student@admins27-OptiPlex-3050:~$ cat BST.java
class Node
{
    int data;
    Node next=null;
    Node prev=null;

    Node(int data)
    {
        this.data=data;
        System.out.println("done creating a node");
    }
}
class BST
{
    Node root=new Node();
    /* void insert(Node root,int data)
    {
        Node node=new Node(data);
        Node temp=root;
        while(temp!=null)
        {
            if(temp.data<data)
            {
                if(temp.next==null)
                {
                    temp.next=node;
                    break;
                }
                else
                {
                    temp=temp.next;
                }
            }
        }
    }
}
```

Put

```
Student@admins27-OptiPlex-3050:~$ sftp student@172.16.6.97
student@172.16.6.97's password:
Connected to 172.16.6.97.
sftp> put 319
stat 319: No such file or directory
sftp> pwd
Remote working directory: /home/student
sftp> put 319
Uploading 319/ to /home/student/319
319/ is not a regular file
sftp> put iris.csv
Uploading iris.csv to /home/student/iris.csv
iris.csv                                100% 3975   243.9KB/s   00:00
sftp>
```

```
Terminal
Student@admins27-OptiPlex-3050: ~
$ ls
024_ext      client.py      Documents      iris.csv      Music      Qinspection.csv  snap      Untitled2.ipynb
319          'cnlab external.ipynb' Downloads      ML_ck_pkgs.ipynb  Pictures    rrr             spambase.csv  Untitled.ipynb
BST.java     Desktop        fabric-samples  ml_external    pt          san5.txt        Templates    Untitled.mdj
chatgpt_clone Distance_vector.py intents.json    MlExternal     Public      server.py       Untitled1.ipynb  Videos
```

Mget

```
sftp> mget *.txt
Fetching /home/student/a.txt to a.txt
/home/student/a.txt 100% 21 19.6KB/s 00:00
Fetching /home/student/ab.txt to ab.txt
/home/student/ab.txt 100% 11 14.1KB/s 00:00
Fetching /home/student/anu.txt to anu.txt
/home/student/anu.txt 100% 10 11.7KB/s 00:00
Fetching /home/student/external.txt to external.txt
/home/student/external.txt 100% 12 15.5KB/s 00:00
Fetching /home/student/input.txt to input.txt
/home/student/input.txt 100% 43 56.1KB/s 00:00
Fetching /home/student/mail.txt to mail.txt
/home/student/mail.txt 100% 121 168.5KB/s 00:00
```

Mput :

```
sftp> mput *.txt
Uploading a.txt to /home/student/a.txt
a.txt 100% 21 23.5KB/s 00:00
Uploading ab.txt to /home/student/ab.txt
ab.txt 100% 11 14.9KB/s 00:00
Uploading anu.txt to /home/student/anu.txt
anu.txt 100% 10 10.4KB/s 00:00
Uploading external.txt to /home/student/external.txt
external.txt 100% 12 14.7KB/s 00:00
Uploading input.txt to /home/student/input.txt
input.txt 100% 43 56.1KB/s 00:00
Uploading mail.txt to /home/student/mail.txt
mail.txt 100% 121 111.0KB/s 00:00
Uploading na.txt to /home/student/na.txt
na.txt 100% 18 20.9KB/s 00:00
Uploading randommail.txt to /home/student/randommail.txt
randommail.txt 100% 102 124.2KB/s 00:00
Uploading s.txt to /home/student/s.txt
s.txt 100% 0 0.0KB/s 00:00
Uploading sample.txt to /home/student/sample.txt
sample.txt 100% 25 29.8KB/s 00:00
Uploading samplenew.txt to /home/student/samplenew.txt
samplenew.txt 100% 15 16.6KB/s 00:00
Uploading san5.txt to /home/student/san5.txt
san5.txt 100% 976KB 10.9MB/s 00:00
sftp>
```