```
                          File System:
                       Tree-like structure
                       -------------------


        UNIX                    VMS                     MS-DOS
        ----                    ---                     ------


              /              DUA1:   DUA0:   ...     A:        B:   ...
        /usrs  /              [user]                  \usrs
                             
        /usrs/niguts
                             
        /usrs/niguts/usr00   [user.usr00]
                             
        /usrs/niguts/usr00/smiyazaw  [user.usr00.smiyazaw]  \usrs\smiyazaw



                            Files executed at login-time
                            ----------------------------

        /etc/profile.csh     sys$manager:sylogin.com   config.sys
        $HOME/.login         sys$login:login.com       autoexec.bat



                            To change directory,
                            --------------------

        % cd /usrs           $ set default DUA1:[user]  > a:
        % cd niguts/usr00    $ set def [.usr00]         > cd \usrs
        % cd $HOME  #or % cd $ set def sys$login        > cd smiyazaw



                    To display current working directory,
                    -------------------------------------

        % pwd                $ show default            > cd
          /usrs/niguts/usr00/smiyazaw  [user.usr00.smiyazaw]



                            File organization
                            -----------------

        Stream file with LF          Stream file with LF  Stream file with CR and LF
                                     Record file
                                        variable length
                                        ...
                                     Index file
                                        ...



                            File transfer
                            -------------

                <- ftp ->                        <- kermit ->

                <--------------- kermit ---------------->
```
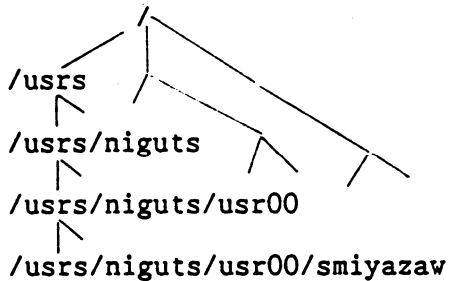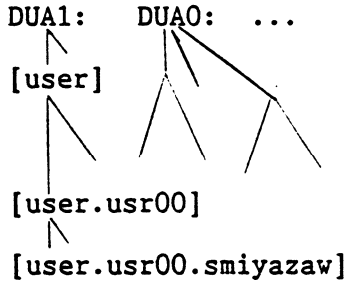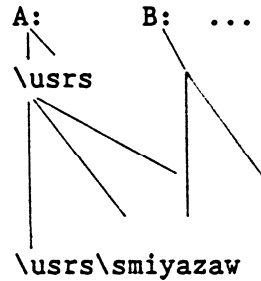
Brief introduction of Vi editor
----

0) mode

```
                              i (insert)
              -->--         a (append)        -->--
              |             o (insert line)         |
              |                                      |
        command mode                          input mode
              |                                      |
              |                                      |
              ----<----        ESC   ------<-----
```

1) cursol movement; commands in the command mode

```
                          k
                          .
                          |
       h         <-               ->      l
       backspace                          space
                          |

                          j
```

```
    :1      move to the top of file
    G       move to the bottom of file
```

2) delete commands; commands in the command mode

```
    dd      delete a line at cursol position; it is saved in buffer.
    2dd     delete 2 lines
    3dd     delete 3 lines
    ...
    x       delete a character at cursol position
```

3) insert buffer command; command in the command mode

```
    P       insert the content of buffer above the cursol position
    p       insert the content of buffer under the cursol position
```

4) undo command; command in the command mode

```
    u       undo
```

5) exit commands; commands in the command mode

```
    :w      write the current editing file with the same file name
    :w!     overwrite

    :q      quit
    :q!     force to quit
```

How to submit data to databank

1) Get a online submission form by using "getinfo".

```
        % getinfo
        ...
        item ? DDBJ_news*              # choose DDBJ-news
        ...
        item ? data_submit            # choose data_submit
        ...
        item ? ddbj-form              # choose ddbj-form

        page ... : h                  # get help
        ...
        page ... : s ddbj-form        # save ddbj-form into "ddbj-form"

        page ... : q                  # quit
        item ? q                      # quit getinfo
        item ? q
        %
        % ls -li ddbj-form            # make sure there is a ddbj-form
```

2) Transfer ddbj-form into your PC; it is assumed that kermit is used at the PC.

```
        % kermit
        C-Kermit> server              # enter server mode
        ...
        (Type ctrl-] c. to get ms-kermit command mode.)
        Kermit-MS> get
        Remote Source File: ddbj-form
        Local Destination File: ddbj.frm
        ...
        Kermit-MS> finish
        Kermit-MS> connect

        C-Kermit> exit
        %
```

3) Edit ddbj.frm at your PC; put DNA sequences and others at the end of form.

```
        Your electronic mail address is
                your-loginname%niguts.nig.junet@vax2.nlm.nih.gov
        if you have an account for the "niguts". Otherwise, leave
        its field blank.
```

   - Please be careful to make files readable by any program; especially
     if you make it in PC.
   - Files must be simple text files; nondocument-open for Word Star.
   - Each line must be shorter than 80 characters and ended by
     <CR> and/or <LF>.
   - If you want to use floppy for data submission, please don't forget
     to format floppy disk compatibly with IBM-PC; see "ibm-pc_floppy".
   - You may obtain a floppy diskette of submission form from the DDBJ.

4) Send ddbj.frm to the host computer; it is assumed that kermit is used
   at the PC.

```
        % kermit
        C-Kermit> server
        ...
        (Type ctrl-] c. to get ms-kermit command mode.)
        Kermit-MS> set EOF ctrl-Z
        Kermit-MS> send ddbj.frm ddbj.frm
        ...
        Kermit-MS> finish
        Kermit-MS> connect
```

```
         C-Kermit> exit
         % conv -filtcr ddbj.frm          # remove ctrl-Z EOF marks.
         % pg ddbj.frm    #make sure that it has correctly been transformed
```

5) Send ddbj.frm to an appropriate databank by electronic mail.

The data banks agreed to share journals that each data bank scans for data
entry. So, if your data is published in one of those journals, please
submit your data to the data bank that is in charge of that journal.
"journal-list" shows what journals each data bank scans.

```
         Mailing address (...@niguts.nig.junet):
           ddbjsub or DDBJsub     data submission to DDBJ
           emblsub or EMBLsub     data submission to EMBL
           gbsub or GBsub         data submission to GenBank

         Example:
         % mailx -s "Data submission" emblsub $LOGNAME <ddbj.frm
         % (wait 30 sec)
         % mailx
         ...
         ? (type mail number to see the copy of the mail that you have sent to
           "emblsub".
         ...
         ? q
         %
```

6) You will get an acknowledge from the databank within a few days by
   electronic mail.

6) Thanks for your cooperation.