The server ip address is *192.168.6.201*.
There are 2 users in this server.
1. User name: *ati*   Password: *123* (Attendance *input* log-in)
2. User name: *att*   Password: *att* (Attendance *viewing* log-in)

One can use both *ssh* client connection or *telnet* connection to log-in to the server.
e.g.

```
$ ssh ati@192.168.6.201
$ ssh att@192.168.6.201
$ telnet 192.168.6.201
```

To view the attendance entries for all year/section students, one has to log in to the server using *att* log-in. User needs to do nothing except exiting or entering. A sample output is shown below.

```
==============================
1st|2nd|3rd|2 Year & A Section
day|day|day|Roll.No
-------------------
A -|- -|- -|1 AARTHI R
A -|- -|- -|2 AARUDHRA V M
A A|- -|- -|3 ABARNA C
- A|- -|- -|4 ABI A
- A|- -|- -|5 ABINAYA M
-----------
=======No entry found for year 2 & B section=======
-----------
=======No entry found for year 2 & C section=======
```

Similarly all years students absent entries will be shown while logging in. User needs to press *enter* to refresh or type *exit* to exit the window.

To put attendance entry, one has to use user account *ati.* The following message will be prompted after log-in.

```
Type "exit" or Enter Year Sec.
E.g. 3c [yr=3;sec=c]
```

As said you can quit by typing *exit* or specify the mode (input/view), year & section for inputting the absent marking. The format is.

      <year>y<section> | year = 2 3 4 & section = a b c d

e.g.

```
E.g. 3c [yr=3;sec=c]
3yc
Input Mode; year=3; sec=C
2yb
Input Mode; year=2; sec=b
```

please make sure that after entering the year & section, you'll get the message "`Input Mode; year=3; sec=C`" stating the mode is *input* and the shown year & section are correct. Remember that you will be getting this message after each & every successful entries.

If your input does not matches with the programs input format, the script will clear the screen and show the following message. But the mode and selected year/section will remain unchanged.

```
Input pattern (or) Mode is wrong!
Input Mode; year=2; sec=B
```

To make the attendance entry easy, the 3 days of exams containing 2 sessions (FN, AN) per day for a student are assigned to session numbers 1, 2, 3, 4, 5, & 6. For e.g. sessions 1, 2 represents first day FN & AN sessions and sessions 4, 5 represents second day AN and third day FN sessions and so on.

User can put entry by
1. Roll number wise
2. Session number wise

To put *Roll number* wise absent marking, the input format is given below.

<Roll No.><space><Sessions>
Roll No: 1 to max (single). Session = 1 to 6 (single or multiple)

The followings are the examples of valid input.

```
Input Mode; year=2; sec=B
1 1
Input Mode; year=2; sec=B
2 2
Input Mode; year=2; sec=B
3 12
Input Mode; year=2; sec=B
4 1 2
Input Mode; year=2; sec=B
```

First number is roll number & others are sessions nos. The corresponding attendance output screen is.

```
==============================
=======No entry found for year 2 & A section=======
-----------
1st|2nd|3rd|2 Year & B Section
day|day|day|Roll.No
-------------------
A -|- -|- -|1 JINDUJA E
- A|- -|- -|2 KALAI VANI B
A A|- -|- -|3 KANNADHASAN G
A A|- -|- -|4 KARTHICK A
-----------
=======No entry found for year 2 & C section=======
```

To add or append a absent mark to the existing student just type it as you did in new entry.

```
1 2
Input Mode; year=2; sec=B
```

Roll number 1 will have absent mark in session-2 in addition. Corresponding attendance output is

```
1st|2nd|3rd|2 Year & B Section
day|day|day|Roll.No
-------------------
A A|- -|- -|1 JINDUJA E
- A|- -|- -|2 KALAI VANI B
A A|- -|- -|3 KANNADHASAN G
A A|- -|- -|4 KARTHICK A
```

To erase & create a new absent marking to the existing student type roll number preceded with switch *"e"*.

```
e2 1
Input Mode; year=2; sec=B
```

This will erase all absent marking and create session-1 absent mark for roll no 2. The Output screen is.

```
1st|2nd|3rd|2 Year & B Section
day|day|day|Roll.No
-------------------
A A|- -|- -|1 JINDUJA E
A -|- -|- -|2 KALAI VANI B
A A|- -|- -|3 KANNADHASAN G
A A|- -|- -|4 KARTHICK A
```

To delete a student entry, type the roll number with preceding *"e"* switch without session numbers.

```
e4
Input Mode; year=2; sec=B
```

Output screen will have no entry for student having roll number "4"

```
1st|2nd|3rd|2 Year & B Section
day|day|day|Roll.No
-------------------
A A|- -|- -|1 JINDUJA E
A -|- -|- -|2 KALAI VANI B
A A|- -|- -|3 KANNADHASAN G
-----------
========No entry found for year 2 & C section========
```

To put *Session number* wise absent marking, the input format is given below.

        s<session number><space><Roll numbers separated by spaces>
        Session = 1 to 6 (single) Roll No: 1 to max. (multiple)

```
s1 1 2 3 4
Input Mode; year=2; sec=B
```

Roll numbers 1 to 4 will be marked as absent in session number 1. The output for this entry is.

```
-----------
1st|2nd|3rd|2 Year & B Section
day|day|day|Roll.No
-------------------
A -|- -|- -|1 JINDUJA E
A -|- -|- -|2 KALAI VANI B
A -|- -|- -|3 KANNADHASAN G
A -|- -|- -|4 KARTHICK A
```

To put additional absent marking to the existing entries, just type it as you did as new.

```
s2 1 2
Input Mode; year=2; sec=B
```

The roll numbers 1 2 will have absent marks in session-2 in addition. The output is.

```
-----------
1st|2nd|3rd|2 Year & B Section
day|day|day|Roll.No
-------------------
A A|- -|- -|1 JINDUJA E
A A|- -|- -|2 KALAI VANI B
A -|- -|- -|3 KANNADHASAN G
A -|- -|- -|4 KARTHICK A
```

To erase all absent marking and create a new absent marking to the existing entries, type session absent marking with *"e"* switch typed in between *"s"* switch and session number. But be careful before using *"e"* switch with session wise entry. Because there are two syntax formats in session wise entry with *"e"* switch which will give you two entirely opposite results. So, read the document thoroughly and understand it clearly. Now see the examples.

```
se3 1
Input Mode; year=2; sec=B
```

For the roll number "1" all absent markings will be erased and a new absent marking in session number 3 will be created. Here only one roll number is used. So as you guess it will support both single & multiple roll number entries. The output screen will be like.

```
-----------
1st|2nd|3rd|2 Year & B Section
day|day|day|Roll.No
-------------------
- -|A -|- -|1 JINDUJA E
A A|- -|- -|2 KALAI VANI B
A -|- -|- -|3 KANNADHASAN G
A -|- -|- -|4 KARTHICK A
```

To erase all entries of a particular session, type session entry with *"e"* switch without roll numbers. This will delete all absent marking of the given session to all students in given year & section. This is entirely different operation from the previous format.

```
se1
Input Mode; year=2; sec=B
```

In the selected 2nd year B section students all session-1 absent markings will be erased. As you see in the output screen, there will be no absent markings in session-1. Roll numbers 1 & 2 have absent markings in session-2 & 3 so they persist. Other roll numbers have only session-1 absent entry. So they disappeared.

```
-----------
1st|2nd|3rd|2 Year & B Section
day|day|day|Roll.No
-------------------
- -|A -|- -|1 JINDUJA E
- A|- -|- -|2 KALAI VANI B
```

<div align="center">MOST IMPORTANT COMMAND</div>

The absent markings should be cleared for each serial tests. The data must be flushed to get new entries. The following command will delete all entries made so far for all year & sections. So be very very careful when using this command. Because no mater which year or section you have selected, if you are in the input mode there will be nothing reside in the server after issuing this command.

```
cleardata
Input Mode; year=2; sec=B
```

The output will be

```
============================
=======No entry found for year 2 & A section=======
-----------
=======No entry found for year 2 & B section=======
-----------
=======No entry found for year 2 & C section=======
-----------
=======No entry found for year 3 & A section=======
-----------
```

```
========No entry found for year 3 & B section========
-----------
========No entry found for year 3 & C section========
-----------
========No entry found for year 4 & A section========
-----------
========No entry found for year 4 & B section========
-----------
========No entry found for year 4 & C section========
-----------
========No entry found for year 4 & D section========
-----------
```