

IT1223 (P) - Database Management Systems (P)
Department of Physical Science
University of Vavuniya
Lab Sheet - 02

Q3) Loading Data into a Table

Using the database, you have created in Q2 do the following:

- 1) Load at least ten suitable records into the table **fasstudents** including males and females.
The table **fasstudents** can be described as shown here.

First Name	Last Name	Address	Sex	Date of Birth	Course	Telephone
Nimal	Perera	10A, Galle Road, Colombo	M	1990-05-15	Computer Science	011-2345678
Kamala	Silva	25, Kandy Road, Gampaha	F	1992-09-20	IT	033-4567890
Sunil	Fernando	30, Negombo Road, Negombo	M	1988-03-10	IT	031-3456789
Anula	Rajapakse	5B, Matara Street, Matara	F	1995-12-03	Computer Science	041-5678901
Malith	Jayawardena	15, Kurunegala Road, Kurunegala	M	1993-07-18	IT	037-6789012
Sujatha	Bandara	20, Jaffna Road, Jaffna	F	1991-11-25	Computer Science	021-7890123
Chamara	Rathnayake	35, Ratnapura Road, Ratnapura	M	1994-08-12	IT	045-8901234
Lakmini	Wijesinghe	8C, Badulla Street, Badulla	F	1989-06-30	Computer Science	055-9012345
Upul	Dissanayake	40, Ampara Road, Ampara	M	1996-02-14	Computer Science	063-0123456
Tharanga	Perumal	55, Polonnaruwa Road, Polonnaruwa	F	1997-04-05	IT	027-1234567

- 2) Explain how can you create records as a text file to load it into your table?

Q4) Retrieving information from a Table

- 1) How can you retrieve all data from your table **fasstudents**.
- 2) After loading the data into the table **fasstudents**, you may happen to think that the birth date for *Sunil* doesn't seem quite right. In this situation how can you correct this? (You can explain this with some sample example).
- 3) If you want to verify the change that you made to Sunil's dbdate, how can you select his record only?
- 4) If you want to know which students were born during or after 1993, how can you write an SQL statement for this?
- 5) Display all Female students who are following Computer Science Course.
- 6) Display all Female students who are following IT Course or Computer Science Course.
- 7) Display all students and their date of Birth.

Q5) Sorting Rows

- 1) Sort the fasstudents names by their birthdays.

Note: The default sort order is ascending, with smallest values first.

- 2) Sort the fasstudents names by their birthdays in reverse (descending) order.
- 3) How can you delete all records from the table fasstudents and how can you reload the same records again?
- 4) Display all students fname, dbdate and their current ages.
- 5) How can you sort the output in *question no 4* by first name?
- 6) How can you sort the output in *question no 4* by age?
- 7) How can you display all students first name and their birth month?
- 8) How can you display all students who were born in month April?
- 9) How can you display all students who were born in month April?