IT252 Assignment-2

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TOPIC: SQL – DDL CONSTRAINTS

- Tables used from previous database:
- 1) student_courses

2)student_info

sname	sid	cname	cid

sname	sid	dept

3)course_list

cname	cid	

<u>Dummy Tables used for ON DELETE and ON UPDATE:</u>

1)books

2)authors

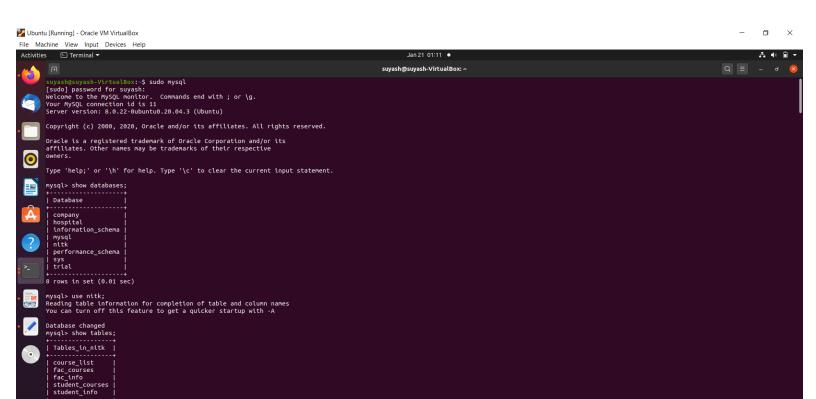
book_id	book_name
Primary key	

auth_id	auth_name	book_id
Primary		Foreign
key		key

<u>NOTE</u>: Output screen shots contain schema of all above tables and their content. Screenshots have been attached in the zip folder.

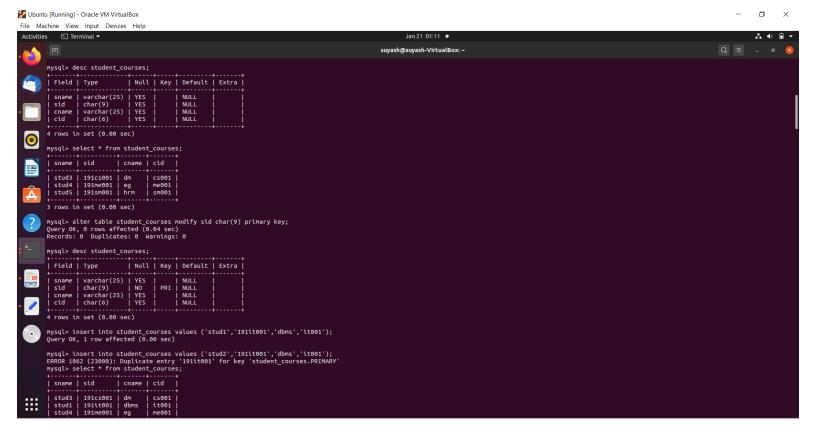
• Screenshots for all commands:

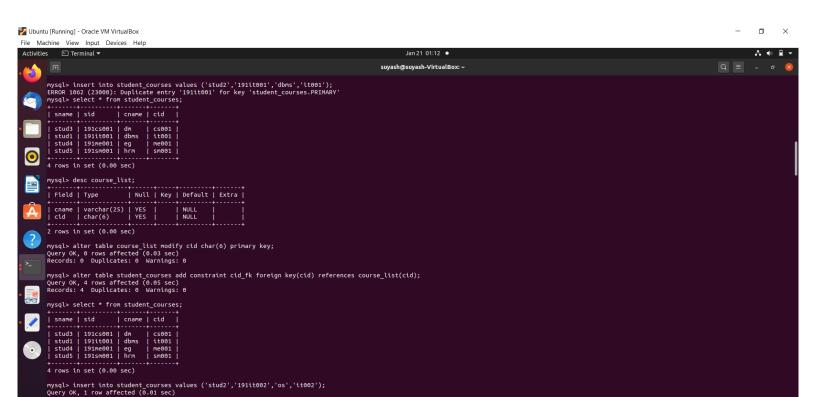
NOTE: "set default" in on delete/on update couldn't be used because engine was set to "InnoDB" which doesn't support on delete/on update set default.



5 rows in set (0.00 sec)

mysql> desc student_courses;



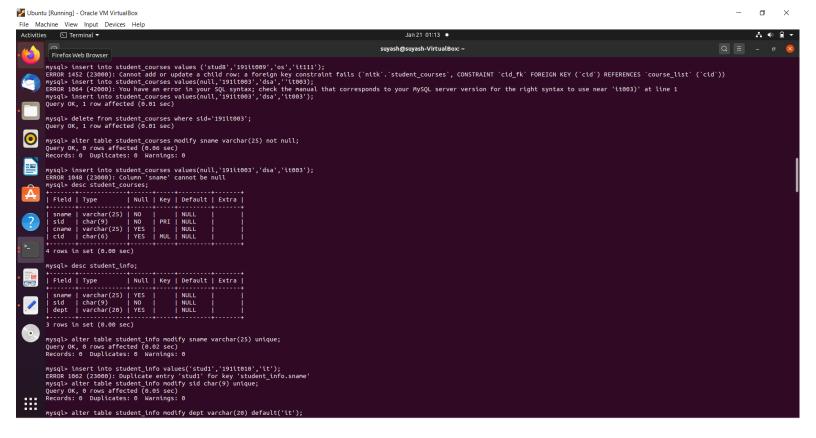


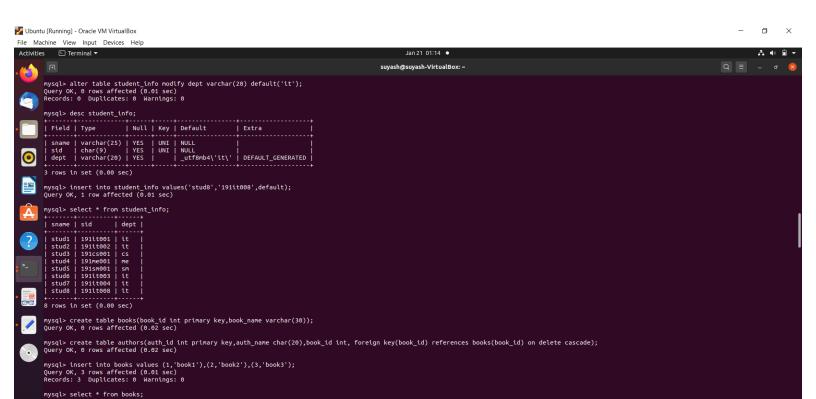
mysql> insert into student_courses values ('stude','191t009','os','tt111');

ERROR 1452 (23000): Cannot add or update a child row: a foreign key constraint fails ('nitk'.'student_courses', CONSTRAINT 'cid_fk' FOREIGN KEY ('cid') REFERENCES 'course_list' ('cid'))

mysql> insert into student_courses values(null,'191t1003);

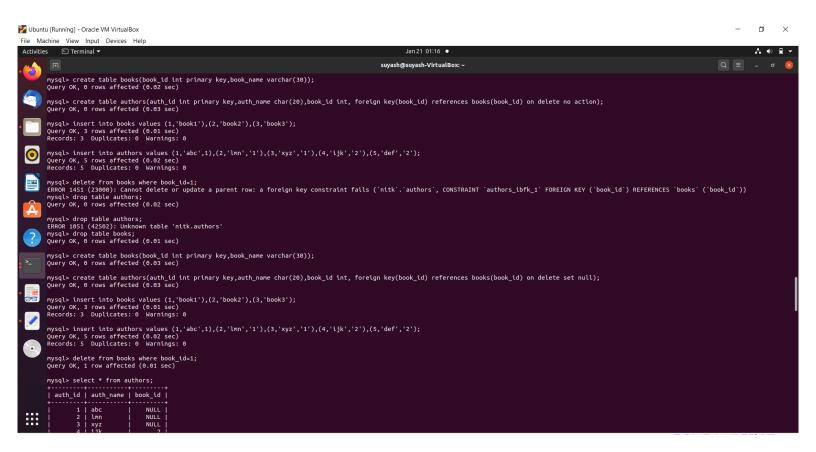
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'it003)' at line 1

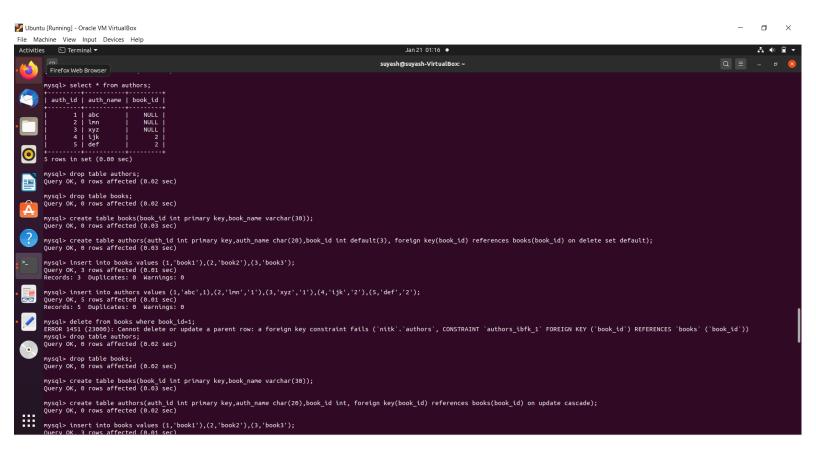


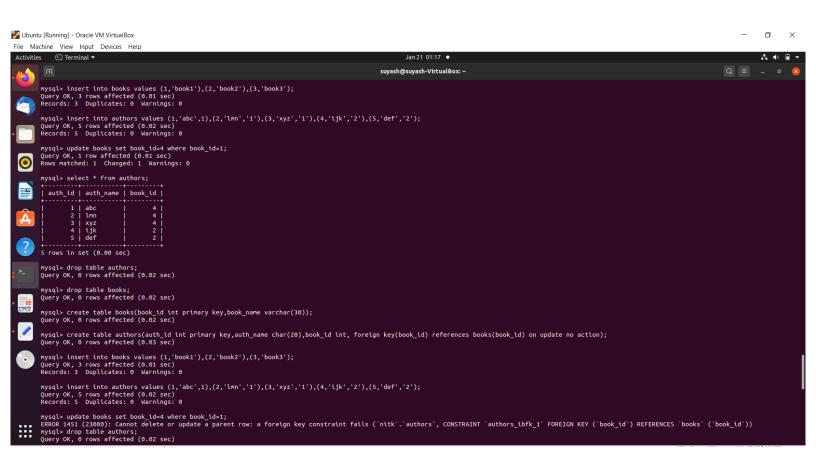


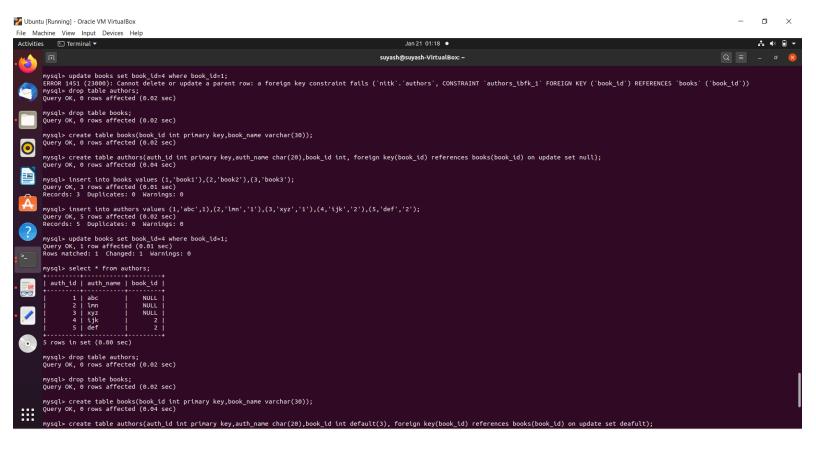
book_id | book_name

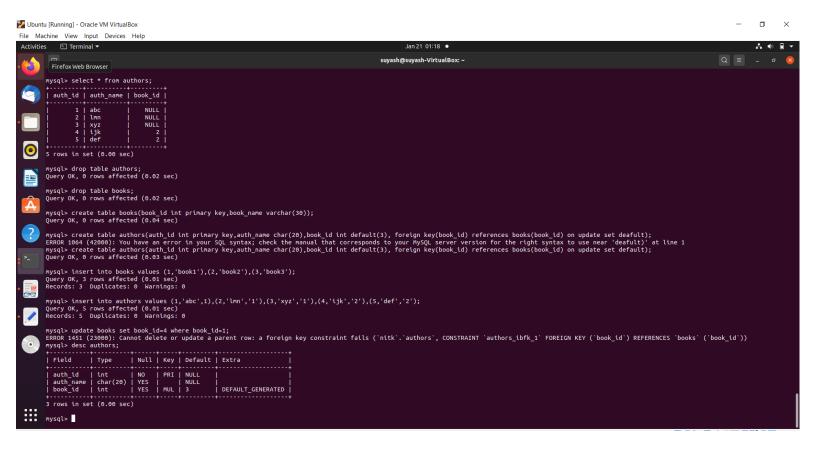


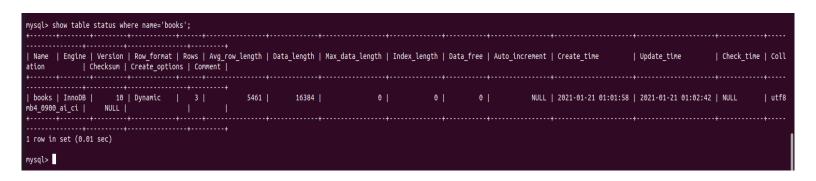












• Picture above shows an example the default engine used by the tables, i.e. InnoDB.