SOME SCREENSHOT OF SQL ASSIGNMENT

MySQL Workbench

Local Instance

File Edit View Query Database Server Tools Scripting Help

Administration Schemas

Query 1 | customers | SQL File 4* | SQL File 5* | OUTER_JOIN | products | SQL File 19* | payments

SCHEMAS

Filter objects

- assignment
  - Tables
  - Views
  - Stored Procedures
  - Functions
- sql_hr
- sql_inventory
- sql_invoicing
  - Tables
    - clients
    - invoices
    - payment_methods

Object Info Session

Table: payments

Columns:
  payment_id   int AI PK
  client_id   int
  invoice_id   int
  date   date
  amount   decimal(9,2)
  payment_method   tinyint

```
Limit to 1000 rows
 1 •  CREATE DATABASE assignment;
 2 •  USE assignment;
 3     -- create a table student with under mentained structuer
 4
 5 • ⊖ CREATE TABLE STUDENT(
 6     StdID int primary key,
 7     StdName VARCHAR(30) NOT NULL,
 8     SEX VARCHAR(8) CHECK (SEX IN('Male','Female')),
 9     Percentage int,
10     SClass int,
11     Sec CHAR,
12     Stream VARCHAR(10) CHECK (Stream IN ('Science','Commerce')),
13     DOB DATE NOT NULL
14
15     )
```

Action Output

#	Time	Action	Message	Duration / Fetch
⊗ 10	11:52:06	CREATE TABLE STUDENT(StdID int primary key, StdNam...	StdID int primary key, StdName VARCHAR(30) NOT NULL, S' at line 9	0.00037 sec
⊗ 11	11:52:51	CREATE DATABASE assignment	Error Code: 1007. Can't create database 'assign...	0.00042 sec
✓ 12	11:53:00	CREATE TABLE STUDENT(StdID int primary key, StdNam...	0 row(s) affected	0.026 sec

Query Completed

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13     DOB DATE NOT NULL
14
15     )
16     -- alter table with new field as teacher_id
17 ⊗  ALTER TABLE STUDENT
18     ADD teacher_id INT;
```

Action Output

#	Time	Action	Message	Duration / Fetch
			S' at line 9	
⊗ 11	11:52:51	CREATE DATABASE assignment	Error Code: 1007. Can't create database 'assign...	0.00042 sec
✓ 12	11:53:00	CREATE TABLE STUDENT(StdID int primary key, StdNam...	0 row(s) affected	0.026 sec
✓ 13	11:59:06	ALTER TABLE STUDENT ADD teacher_id INT	0 row(s) affected Records: 0 Duplicates: 0 Warnings: 0	0.018 sec

Query Completed

```sql
34  -- insert into teachers table and apply insert into student table with teacher's ID as foreign key
35  ALTER TABLE STUDENT
36  ADD FOREIGN KEY (teacher_id) REFERENCES teacherdetails(tID);
37  -- insert the deail in teacherdetails
38  INSERT INTO teacherdetails(tID,Name,email,subject,Class)
39  VALUES (5,'anjali','anjali@gmail.com','maths','6'),
40  (8,'Ram','ram@gmail.com','science','7'),
41  (10,'aaru','aaru@gmail.com','science','9');
42  -- inner join in both tables
43  SELECT *
44  FROM STUDENT s
45  JOIN teacherdetails t
46  ON s.teacher_id = t.tID;
47
48
```

#	Time	Action	Message	Duration / Fetch
❌ 35	13:00:18	INSERT INTO teacherdetails(tID,Name,email,subject,Cla...	(10,'aaru','aaru@gmail.com','science','' at line 3	0.00019 sec
✅ 36	13:00:36	INSERT INTO teacherdetails(tID,Name,email,subject,Cla...	3 row(s) affected Records: 3 Duplicates: 0 Warnings: 0	0.0067 sec
✅ 37	13:04:55	SELECT * FROM STUDENT s JOIN teacherdetails t ON s.te...	0 row(s) returned	0.00052 sec / 0.000...

-- find distinct name from table


```sql
37  -- insert the deail in teacherdetails
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39  VALUES (5,'anjali','anjali@gmail.com','maths','6'),
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42  -- inner join in both tables
43  SELECT *
44  FROM STUDENT s
45  JOIN teacherdetails t
46  ON s.teacher_id = t.tID;
47  -- find distinct name from table
48  SELECT DISTINCT StdName
49  FROM STUDENT;
50
51
52
```

#	StdName
1	ABHA
2	ABHI

-- no of students that are male


```
45      JOIN teacherdetails t
46      ON s.teacher_id = t.tID;
47      -- find distinct name from table
48 •    SELECT DISTINCT StdName
49      FROM STUDENT;
50      -- no of students that are male
51 •    select SEX, COUNT(*)
52      FROM STUDENT
53      GROUP BY SEX
54      HAVING SEX='Male';
55
56
57
58
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

#	SEX	COUNT(*)
1	Male	1

Result 9

Read Only

Query Completed

-- the number of students having sex as male and stream as science using group by having
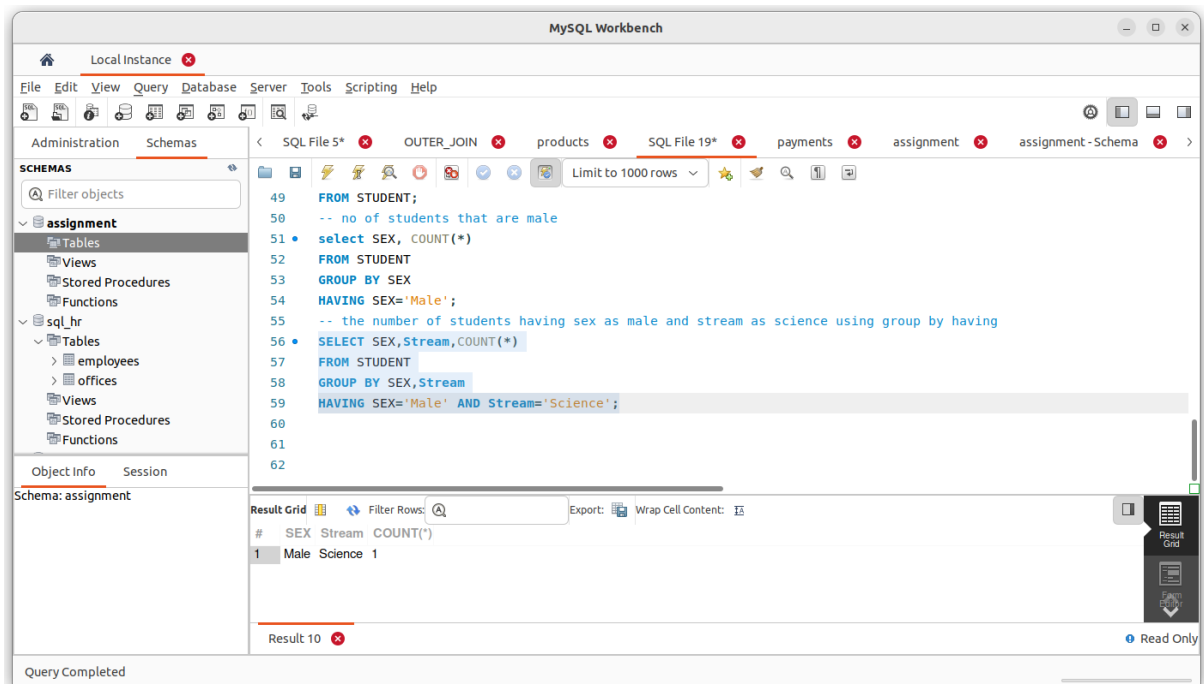
-- create a table with features available at the school
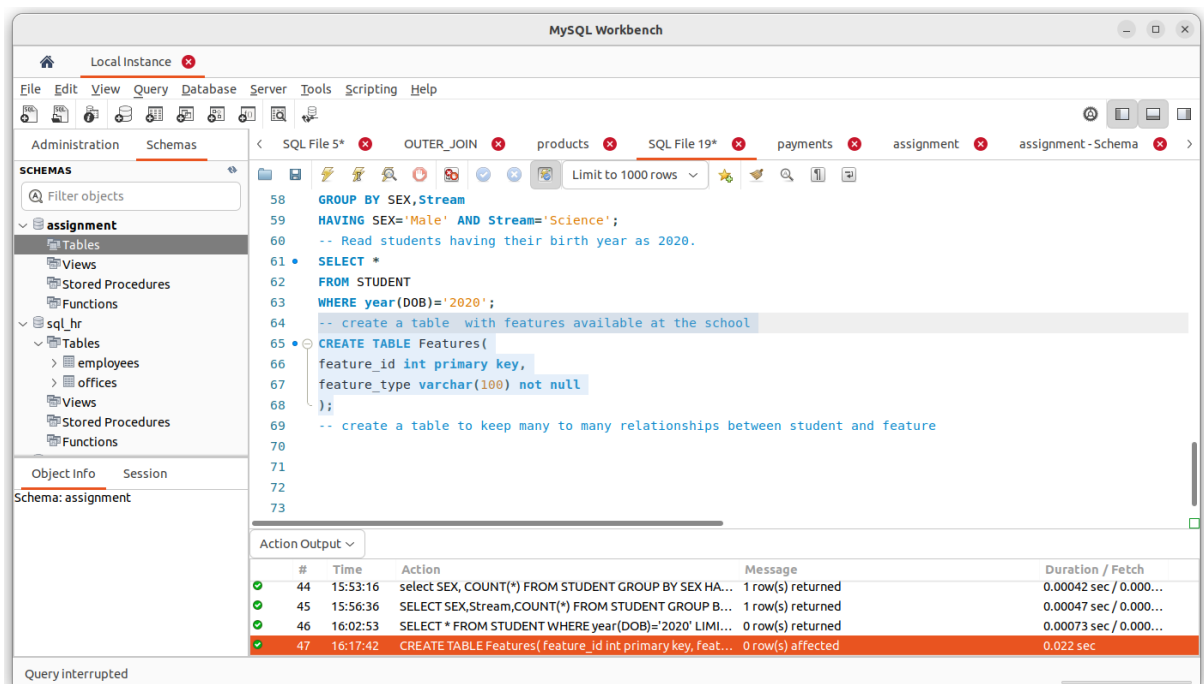
-- Find a student having 3rd height percentage.