

Display the list of ALL Dentists registered in the system, sorted in ascending order of their lastNames

The screenshot shows the MySQL Workbench interface. The 'Schemas' pane on the left displays the database structure, including tables like 'dentist', 'patient', and 'appointment'. The 'Query' editor in the center contains the following SQL query:

```
1 SELECT *
2 FROM dentist
3 ORDER BY lastName ASC;
```

The 'Result Grid' at the bottom displays the results of the query, showing a list of dentists sorted by their last names. The table has columns: dentistId, firstName, lastName, phone, email, and specialization.

dentistId	firstName	lastName	phone	email	specialization
2	Helen	Pearson	1234567891	helen.pearson@clinic.com	Prosthodontist
3	Robin	Plevin	1234567892	robin.plevin@clinic.com	Pediatric Dentist
1	Tony	Smith	1234567890	tony.smith@clinic.com	Orthodontist

The 'Table: dentist' information pane on the left shows the table structure:

- Columns: dentistId (INT PK), firstName (VARCHAR(32)), lastName (VARCHAR(32)), phone (VARCHAR(32)), email (VARCHAR(45)), specialization (VARCHAR(45)).

Display the list of ALL Appointments for a given Dentist by their dentist_Id (here 1) number. Include in the result, the Patient information.

The screenshot shows the MySQL Workbench interface. The 'Query' editor in the center contains the following SQL query:

```
1 SELECT
2     a.appointmentId,
3     a.date AS appointmentDate,
4     a.status AS appointmentStatus,
5     p.patientId,
6     p.firstName AS patientFirstName,
7     p.lastName AS patientLastName,
8     p.phone AS patientPhone,
9     p.email AS patientEmail,
10    p.dob AS patientDOB
11 FROM Appointment a
12 JOIN Patient p ON a.fk_patientId = p.patientId
13 WHERE a.fk_dentistId = 1;
```

The 'Result Grid' at the bottom displays the results of the query, showing a list of appointments for the dentist with ID 1. The table has columns: appointmentId, appointmentDate, appointmentStatus, patientId, patientFirstName, patientLastName, patientPhone, patientEmail, and patientDOB.

appointmentId	appointmentDate	appointmentStatus	patientId	patientFirstName	patientLastName	patientPhone	patientEmail	patientDOB
1	2013-09-12 00:00:00	Scheduled	100	Gilan	White	5551112222	gilan.white@mail.com	1990-05-15
2	2013-09-12 00:00:00	Scheduled	105	Jill	Bel	5551113333	jil.bel@mail.com	1988-08-22

The 'Table: dentist' information pane on the left shows the table structure:

- Columns: dentistId (INT PK), firstName (VARCHAR(32)), lastName (VARCHAR(32)), phone (VARCHAR(32)), email (VARCHAR(45)), specialization (VARCHAR(45)).

Display the list of ALL Appointments that have been scheduled at a Surgery Location

The screenshot shows the MySQL Workbench interface. The left sidebar displays the 'Schemas' tree with 'ads_db' selected. The main query editor contains the following SQL code:

```
1 SELECT
2   a.appointmentId,
3   a.date AS appointmentDate,
4   a.status AS appointmentStatus,
5
6   s.surgeryId,
7   s.name AS surgeryName,
8   s.location AS surgeryLocation,
9   s.phone AS surgeryPhone
10
11 FROM Appointment a
12 JOIN Surgery s ON a.fk_surgeryId = s.surgeryId
13 WHERE s.location = '3rd Floor, Building C'
14
15 ORDER BY a.date;
```

The 'Result Grid' at the bottom shows the following data:

appointmentId	appointmentDate	appointmentStatus	surgeryId	surgeryName	surgeryLocation	surgeryPhone
1	2013-09-12 00:00:00	Scheduled	15	Surgery 15	3rd Floor, Building C	6172231015
2	2013-09-12 00:00:00	Scheduled	15	Surgery 15	3rd Floor, Building C	6172231015
5	2013-09-14 00:00:00	Scheduled	15	Surgery 15	3rd Floor, Building C	6172231015

The 'Table: dentist' information panel on the left shows the following columns:

Column	PK
dentistId	PK
firstName	varchar(32)
lastName	varchar(32)
phone	varchar(32)
email	varchar(45)
specialization	varchar(45)

Display the list of the Appointments booked for a given Patient on a given Date.

The screenshot shows the MySQL Workbench interface. The left sidebar displays the 'Schemas' tree with 'ads_db' selected. The main query editor contains the following SQL code:

```
1 SELECT
2   a.appointmentId,
3   a.date AS appointmentDate,
4   a.status AS appointmentStatus,
5
6   d.firstName || ' ' || d.lastName AS dentistName,
7   s.name AS surgeryName,
8   s.location AS surgeryLocation
9
10 FROM Appointment a
11 JOIN Dentist d ON a.fk_dentistId = d.dentistId
12 JOIN Surgery s ON a.fk_surgeryId = s.surgeryId
13 WHERE a.fk_patientId = 105
14 AND a.date = '2013-09-14';
```

The 'Result Grid' at the bottom shows the following data:

appointmentId	appointmentDate	appointmentStatus	dentistName	surgeryName	surgeryLocation
5	2013-09-14 00:00:00	Scheduled	0	Surgery 15	3rd Floor, Building C