

0.22 Insert SQL Data

you-said

For this schema: create table classroom (building varchar(15), room_number varchar(7), capacity numeric(4,0), primary key (building, room_number)); create table department (dept_name varchar(20), building varchar(15), budget numeric(12,2) check (budget > 0), primary key (dept_name)); create table course (course_id varchar(8), title varchar(50), dept_name varchar(20), credits numeric(2,0) check (credits > 0), primary key (course_id), foreign key (dept_name) references department (dept_name) on delete set null); create table instructor (ID varchar(5), name varchar(20) not null, dept_name varchar(20), salary numeric(8,2) check (salary > 29000), primary key (ID), foreign key (dept_name) references department (dept_name) on delete set null); create table section (course_id varchar(8), sec_id varchar(8), semester varchar(6) check (semester in ('Fall', 'Winter', 'Spring', 'Summer')), year numeric(4,0) check (year > 1701 and year < 2100), building varchar(15), room_number varchar(7), time_slot_id varchar(4), primary key (course_id, sec_id, semester, year), foreign key (course_id) references course (course_id) on delete cascade, foreign key (building, room_number) references classroom (building, room_number) on delete set null); create table teaches (ID varchar(5), course_id varchar(8), sec_id varchar(8), semester varchar(6), year numeric(4,0), primary key (ID, course_id, sec_id, semester, year), foreign key (course_id, sec_id, semester, year) references section (course_id, sec_id, semester, year) on delete cascade, foreign key (ID) references instructor (ID) on delete cascade); create table student (ID varchar(5), name varchar(20) not null, dept_name varchar(20), tot_cred numeric(3,0) check (tot_cred >= 0), primary key (ID), foreign key (dept_name) references department (dept_name) on delete set null); create table takes (ID varchar(5), course_id varchar(8), sec_id varchar(8), semester varchar(6), year numeric(4,0), grade varchar(2), primary key (ID, course_id, sec_id, semester, year), foreign key (course_id, sec_id, semester, year) references section (course_id, sec_id, semester, year) on delete cascade, foreign key (ID) references student (ID) on delete cascade); create table advisor (s_ID varchar(5), i_ID varchar(5), primary key (s_ID), foreign key (i_ID) references instructor (ID) on delete set null, foreign key (s_ID) references student (ID) on delete cascade); create table time_slot (time_slot_id varchar(4), day varchar(1), start_hr numeric(2) check (start_hr >= 0 and start_hr < 24), start_min numeric(2) check (start_min >= 0 and start_min < 60), end_hr numeric(2) check (end_hr >= 0 and end_hr < 24), end_min numeric(2) check (end_min >= 0 and end_min < 60), primary key (time_slot_id, day, start_hr, start_min)); create table prereq (course_id varchar(8), prereq_id varchar(8), primary key (course_id, prereq_id), foreign key (course_id) references course (course_id) on delete cascade, foreign key (prereq_id) references course (course_id)); Create a PDF file to insert data in SQL for 500 Students.

ChatGPT said:

I have created the PDF file with SQL insert statements for 500 students. You can download it from the link below:

Download [insert_statements_500_students.pdf](#)

you-said-1

Create names of students and create 20 Departments and select from those departments. The tot_credits should be similar for some students while different for some. Update the PDF accordingly

ChatGPT said:

The updated PDF with 500 students, including names and a selection from 20 departments, is ready. You can download it from the link below:

Download [insert_statements_500_students_updated.pdf](#)

you-said-2

Now create a PDF containing SQL statements to insert these departments in the department table. Also create 50 courses for these departments with credit hours ranging from 1 to 4

ChatGPT said:

The PDF containing SQL statements to insert 20 departments and 50 courses is ready. You can download it from the link below:

Download [insert_statements_departments_courses.pdf](#)

you-said-3

Give appropriate names to the courses and regenerate the pdf

ChatGPT said:

It seems like I can't do more advanced data analysis right now. Please try again later. If you'd like, I can walk you through the steps to generate the PDF or provide further assistance when it's working again!

prompt-textarea

composer-background