ICT Curriculum Elective Module A - Teaching database concepts using MySQL Environment 高中資訊及通訊科技修訂課程選修單元A - 使用MySQL 教授數據庫工作坊

Date: 23 Feb 2024 (Friday)

Time: 2:30 p.m. - 5:15 p.m.

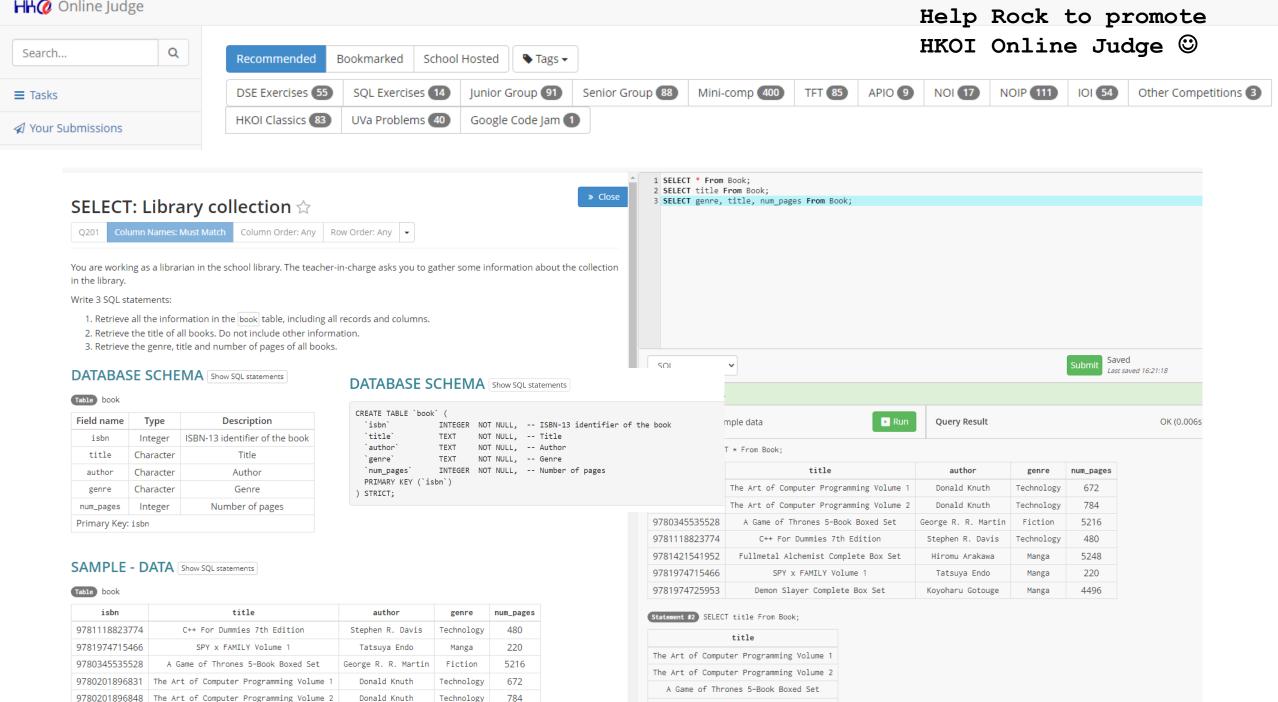
Venue: City University of Hong Kong

LI4109

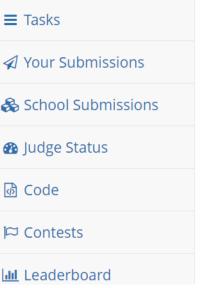
Ng Tsz Kit Hong Kong Chinese Women's Club College

Programme Rundown 程序

Time 時間	Talk / Arrangement 講題 / 安排	Speaker 講者	
2:30pm - 2:45pm	Registration 登記		
2:45pm - 3:00 pm	Inrtoduction 簡介	Curriculum Development Officer (Technology Education), EDB 教育局 課程發展主任(科技教育) Mr NG Tsz Kit, ICT Panel Head, Hong Kong Chinese Women's Club College 香港中國婦女會中學, 電腦科科主任, 吳子傑先生	
3:00 pm - 4:30 pm	〈Keynote Speech〉 MySQL Basic 〈專題演講〉 MySQL 基礎工作坊	Mr. Ivan Ma Principal Sales Consultant & MySQL User Group Lead at Oracle Oracle 首席技術顧問馬楚成先生	
4:30 pm - 4:40 pm	Break 小休		
4:40 pm - 5:15 pm	〈Teacher Workshop〉 SQL: From theory to practical 〈教師工作坊〉 SQL: 從理論到實踐	Mr. WEN Hua Yan, ICT Panel Head, Christian Alliance Cheng Wing Gee College 香港九龍塘基督教中華宣道會鄭榮 之中學, 電腦科科主任, 溫華恩先 生	
		生	



C++ For Dummies 7th Edition



	<	1	2	3	4	5	6	7	>
--	---	---	---	---	---	---	---	---	---

Date / Time	User ▼	Task ▼	Language	Result 🔽	Time
2024-02-22 16:28:08	ywgs209 - O Hoi Ying	Q201 - SELECT: Library collection	SQL	Accepted	0.004
2024-02-22 16:28:02	ywgs216 - Chau Ho Ching Ch	Q201 - SELECT: Library collection	SQL	Accepted	0.004
2024-02-22 16:27:27	ywgs232 - So Yan Kay	Q201 - SELECT: Library collection	SQL	Accepted	0.003
2024-02-22 16:26:56	ywgs224 - Wong Ka Yan	Q201 - SELECT: Library collection	SQL	Accepted	0.004

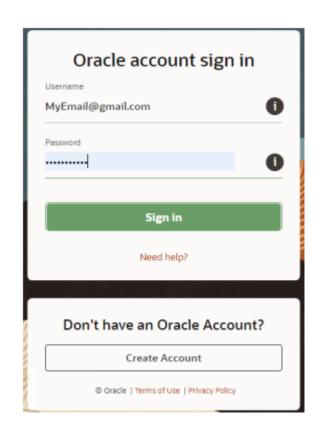
Leaderboard

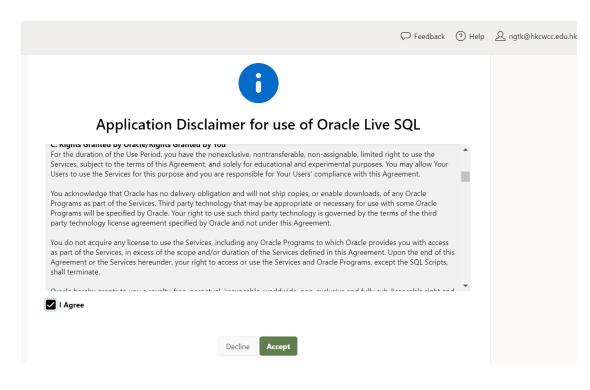
Leaderboard All Users School Friends Chart School Friends

Rank	User	School	Tasks Solved
1	WYK19X17 - trampled	Wah Yan College, Kowloon	980
2	ryanjz2024 - IG: @c8kbf LIKE MY POST	Chinese International School	925
3	dbsic - IB要>=43	Diocesan Boys' School	903
4	s20192 - sub-3 when	La Salle College	883
5	s19198 - 0 tasks per day	La Salle College	808
6	dbslomien - pb attendance when ?	Diocesan Boys' School	803
7	wy_gitlun - もう一回	Wah Yan College, Hong Kong	673
8		La Salle College	661

Oracle live sql

https://livesql.oracle.com/apex/f?p=590:1000



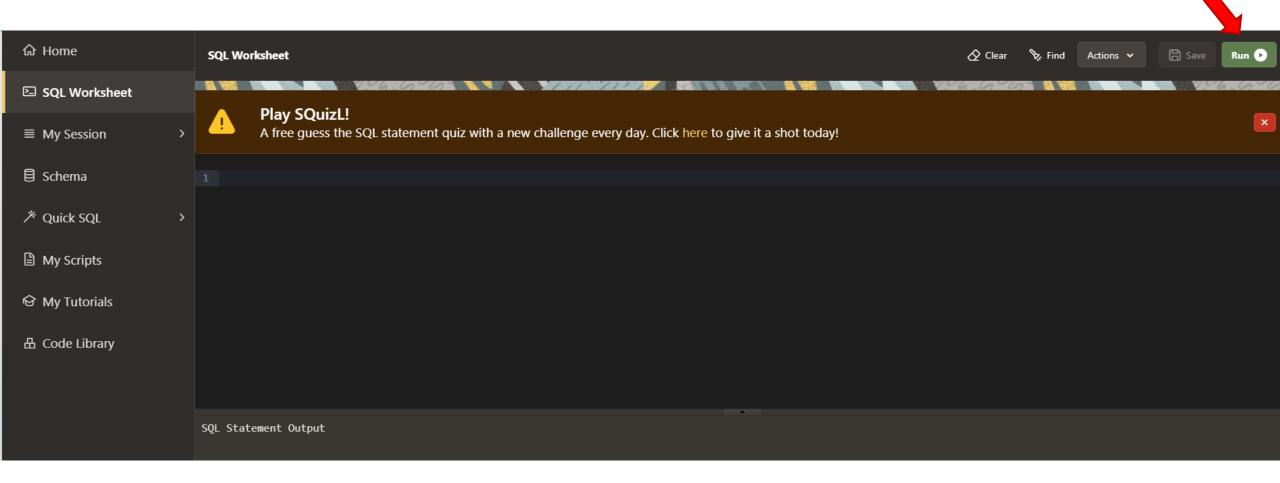




Before start working you should create an account for future use. When you create a user, you can save your scripts and share it with other users. To create a user, click sign in or create account. You can use your current account if you already have one.



SQL Worksheet



Table/View Finder

X



You have read-only access to the **AD** sample schema.

Q Search

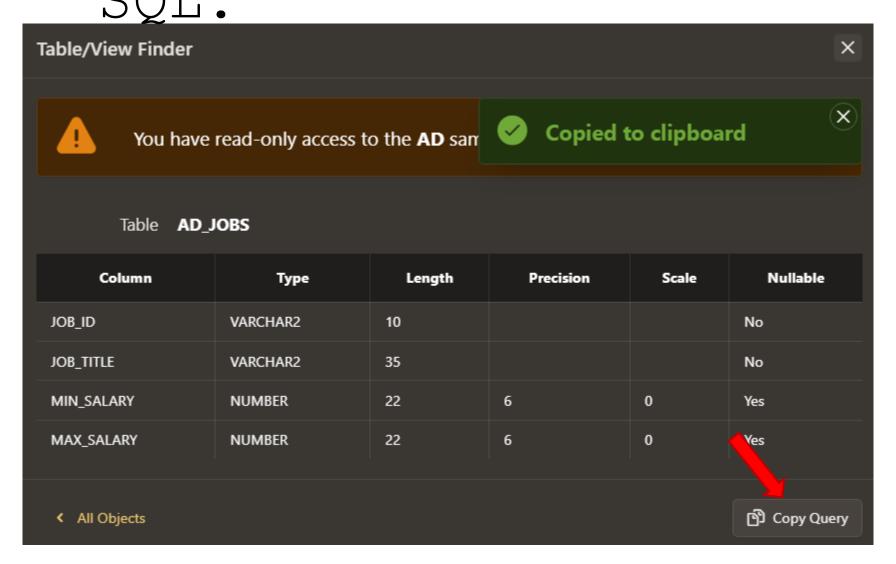
Schema

Academic (AD)

C Reset Search

N	ame	Туре
AD_ACADEMIC_SESSION		Table
AD_DEPARTMENTS		Table
AD_EXAM_TYPE		Table
AD_FACULTY_DETAILS		Table
AD_JOBS		Table
AD_PARENT_INFORMATION		Table
AD_STUDENT_COURSE_DETAILS		Table
AD_STUDENT_DETAILS		Table

Use pre-defined scheme to run

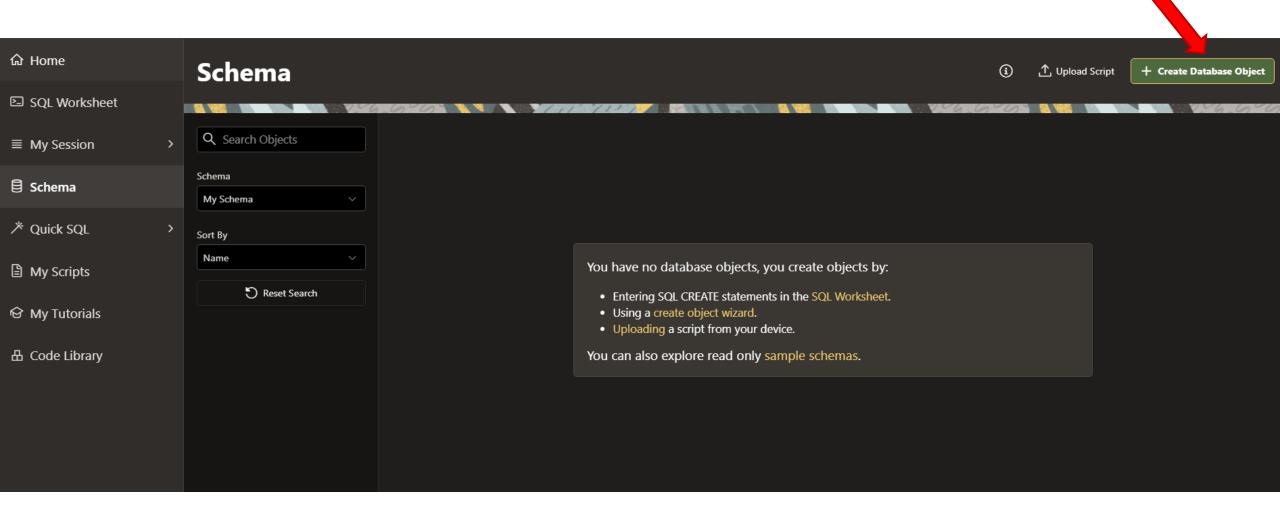


```
"JOB_ID",
"JOB_ITTLE",
"MIN_SALARY",
"MAX_SALARY"
from
AD."AD_JOBS";
```

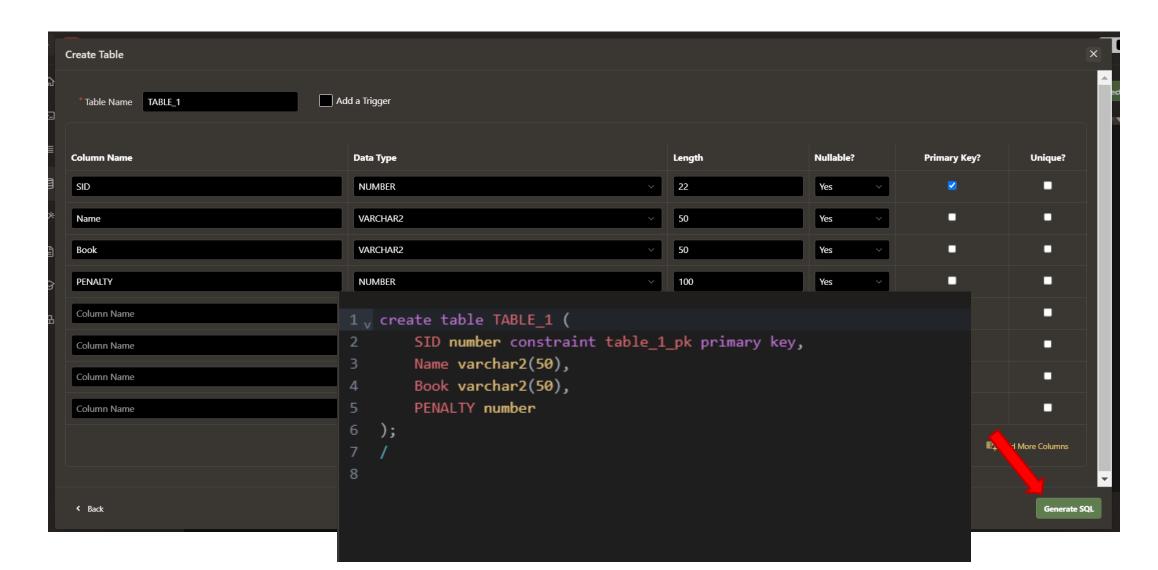
Copy to SQL worksheet, then run it

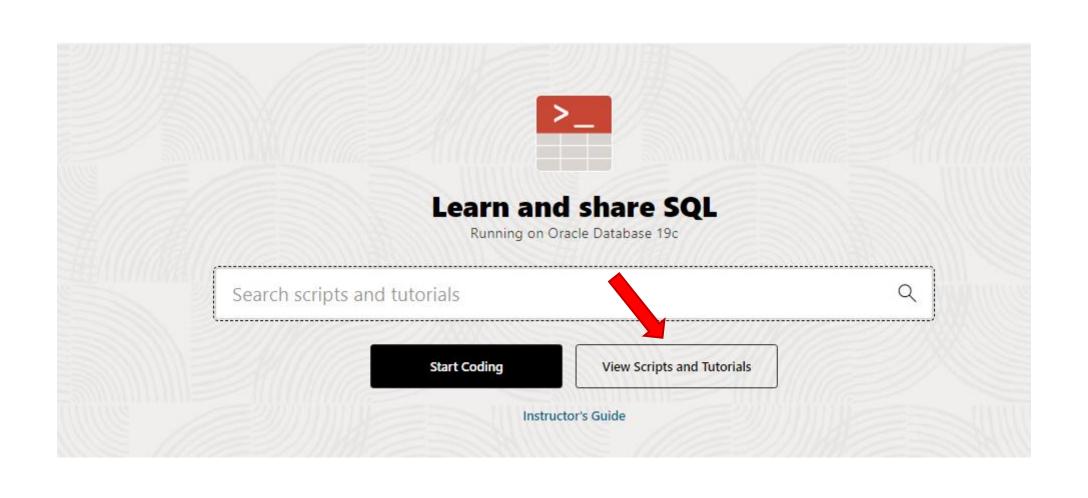
```
"JOB_ID",
      "JOB_TITLE",
     "MIN SALARY",
      "MAX SALARY"
 from AD. "AD_JOBS";
JOB_ID
                JOB_TITLE
                                   MIN_SALARY
                                                MAX_SALARY
         Staff Faculty
FA ST
                                   3000
                                                6000
         Senior Faculty
FA SF
                                   4200
                                                9000
         Associate Faculty
FA AF
                                   8200
                                                16000
```

If you want to design your own tables, go to Schema

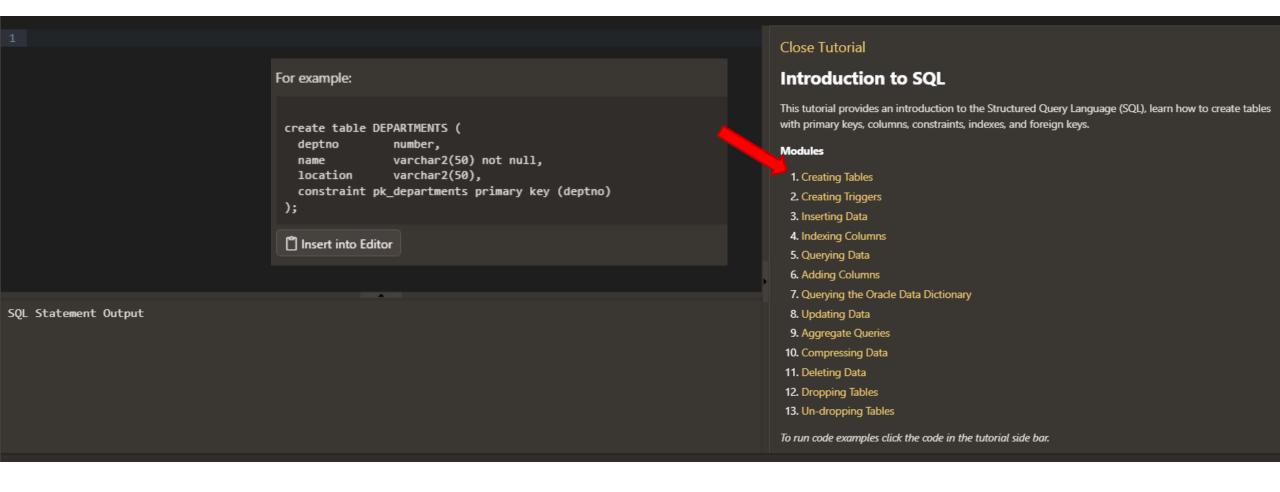


Creating table





Introduction to SQL



DEPARTMENTS table by including a foreign key in the EMPLOYEES table that references the

```
DEDADUMENTS +able
```

```
2, create table DEPARTMENTS (
                  number,
     deptno
                  varchar2(50) not null,
     location varchar2(50),
     constraint pk departments primary key (deptno)
Table created.
```

```
2 v create table EMPLOYEES (
                       number,
      empno
                      varchar2(50) not null,
     name
                      varchar2(50),
     job
                       number,
     hiredate
                      date,
     salary
                      number(7,2),
     commission
                      number(7,2),
     deptno
                      number,
10
     constraint pk_employees primary key (empno),
     constraint fk_employees_deptno foreign key (deptno)
         references DEPARTMENTS (deptno)
13
   );
Table created.
```

3. Inserting Data

Now that we have tables created, and we have triggers to automatically populate our primary keys, we can add data to our tables. Because we have a parent child relationship, with the DEPARTMENTS table as the parent table, and the EMPLOYEES table as the child we will first INSERT a row into the DEPARTMENTS table.

```
insert into departments (name, location) values
    ('Finance','New York');
insert into departments (name, location) values
    ('Development','San Jose');
```

🖺 Insert into Editor

Lets verify that the insert was successful by running a SQL SELECT statement to query all columns and all rows of our table.

```
select * from departments;
```

🖺 Insert into Editor

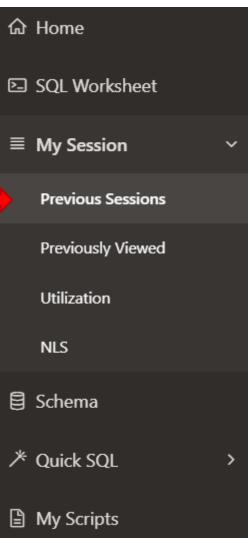
You can see that an ID will have been automatically generated. You can now insert into the EMPLOYEES table a new row but you will need to put the generated DEPTID value into your SQL INSERT statement. The examples below show how we can do this using a SQL query, but you could simply enter the department number directly.

```
select * from departments;
               DEPTNO
                                             NAME
                                                       LOCATION
                                         Development
23871632929026474560032165963692515135
                                                       San Jose
```

Finance

New York

23871632929024056708392936705343102783



My Session \

Previous Sessions

Action	Created
View Session	9 minutes ago
View Session	20 minutes ago
View Session	22 minutes ago
View Session	24 minutes ago
View Session	60 minutes ago
View Session	71 minutes ago
View Session	75 minutes ago
View Session	78 minutes ago
View Session	82 minutes ago

Oracle Certified Foundations Associate, Database

- https://education.oracle.com/oracle-database-foundations-novice-level-exam/pexam 1Z0-006
- Oracle Database Foundations | 1Z0-006

Oracle Foundations Exam Subscription

Oracle Foundations Exam Subscription is a single-use exam delivered by Oracle valid for the following exams:

- Java Foundations | 1Z0-811
- Oracle Database Foundations | 1Z0-006

The Oracle Foundations Exam Subscription is delivered in a flexible learning model, utilizing digital and live asset delivery and includes a collection of web-based learning materials, video content, and virtual or inperson proctors to facilitate a performance-based exam.

Oracle Foundations Exam Subscription includes one certification exam attempt per subscription.



Metric:

Hosted Named User

Term: 6 Month Quantity:

☆ Add to Cart





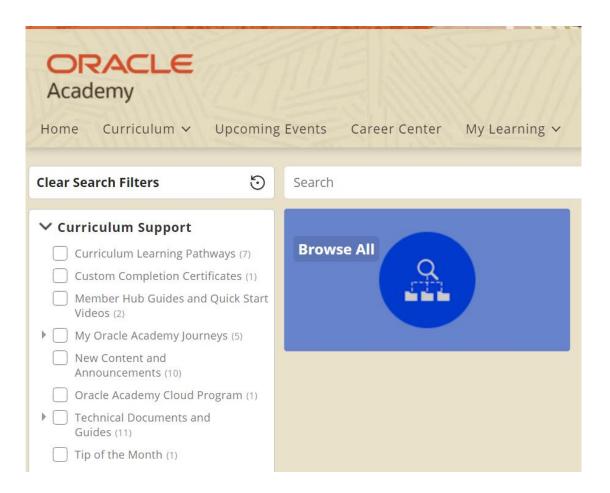
Oracle Database Foundations (Also available in CHS for Taiwan) 1Z0-006

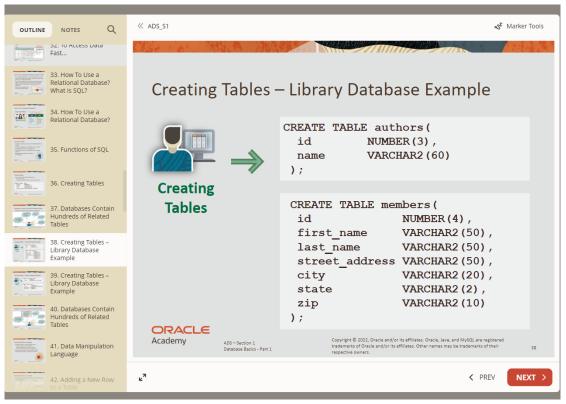
View Exam Preparation (Optional)

Exam Preparation

Database Foundations (Oracle Academy Course)

Database Design and Programming with SQL





Around 20 schools registered Oracle Academy last year.