









Content of

a task

Input fields of

SQL

**Results of SQL** 

## Account of our system

- There are two kinds of accounts: • Student and instructor
- Student
  - •It is possible to execute SQL, roll back the database, submit exercise's answer
- Instructor
- •All the functions available through a student account
- •Distribute the exercises and exercise database
- •Check the answers of exercise
- •Create student accounts
- •Manages the system

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Q1) Where did you first experience a hurdle in your learning?			
	System login and usage	8	
	Tasks about SQL statements	23	
	Tasks about an O/R mapper	39	
	Other	2	
	Nothing in particular	8	
_			
	<ul> <li>It is clear that the fewer students found that our system if hurdle to learning than the tasks themselves.</li> <li>We believe that the goal of the system to mitigate proble at the outset of learning Is largely achieved</li> </ul>	:self was a ms arise	



MERNAME ADDRESS CUSTOMERCLASSI

江戸川区 2

館林市緑 2

下小岩 江戸川区 2

北小岩

Screen: a task on SQL

1-1 SELECT statement

ct \* from custor

ct \* from custo

8

Show all contents of customer table

CUSTOMERID CUSTOMERCODE CUSTO

2001

2002

2003

47

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## Q3) Where did you encounter problems with tasks using an O/R mapper?

Understanding an O/R mapper concepts	27	
JavaScript grammar	25	
Sequelize usage	15	
Checking for error locations	30	
Executing and submitting programs	16	
Other	1	
Nothing in particular	6	
<ul> <li>When executing O/R mapper, the students felt that there was a problem understanding the concepts of the O/R mapper and using JavaScript</li> </ul>		

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