

--SQL03-EX-01

Worksheet	Query Builder
1	--SQL03-EX-01
2	
3	ALTER TABLE employees
4	ADD MAX_SALARY DECIMAL(10, 2);
5	
6	UPDATE employees
7	SET MAX_SALARY = salary + NVL(salary * commission_pct / 100, 0);
8	
9	
10	update employees
11	set max_salary = (select max(salary) from employees);
12	
13	delete from employees
14	where salary = (select min(salary) from employees);
15	
16	

--SQL03-EX-02

Worksheet	Query Builder
16	
17	--SQL03-EX-02
18	
19	CREATE INDEX DPR_NAME_IDX
20	ON DEPARTMENTS (DEPARTMENT_NAME);
21	
22	ALTER TABLE employees
23	ADD CONSTRAINT CNSTR_SALARY
24	CHECK (salary BETWEEN 1000 AND 100000);
25	
26	update employees
27	set salary = 6000 where employee_id = 125;
28	
29	DROP INDEX DPR_NAME_IDX;
30	
31	ALTER TABLE employees
32	DISABLE CONSTRAINT CNSTR_SALARY;
33	
34	ALTER TABLE employees
35	ENABLE CONSTRAINT CNSTR_SALARY;
36	
37	ALTER TABLE employees
38	DROP CONSTRAINT CNSTR_SALARY;

--SQL03-EX-03

```
41  --SQL03-EX-03
42
43  CREATE TABLE new_table AS
44  SELECT DISTINCT department_id
45  FROM employees;
46
47  ALTER TABLE new_table
48  add department_name varchar(40);
49
50  MERGE INTO new_table a
51  USING departments b
52  ON (a.department_id = b.department_id)
53  WHEN MATCHED THEN
54      UPDATE SET a.department_name = b.department_name
55  WHEN NOT MATCHED THEN
56      INSERT (a.department_id, a.department_name)
57      VALUES (b.department_id, b.department_name);
58
59
```

--SQL03-EX-04

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30  --SQL03-EX-04
31
32  with f_employees as (select first_name, last_name, job_id, department_id from employees where last_name like 'S%')
33  select * from f_employees;
34
35  with f_employees as
36  (select a.first_name, a.last_name, a.job_id, a.department_id, b.job_title, b.min_salary, b.MAX_SALARY, c.department_name
37  from employees a, jobs b, departments c where a.last_name like 'S%' and a.job_id = b.job_id and a.department_id = c.department_id)
38  select * from f_employees;
39
40  with f_employees as
41  (select a.first_name || ' ' || a.last_name full_name, a.job_id, a.department_id, b.job_title, b.min_salary, b.MAX_SALARY, c.department_name
42  from employees a, jobs b, departments c where a.last_name like 'S%' and a.job_id = b.job_id and a.department_id = c.department_id)
43  select * from f_employees;
44
45
46
47
```

--SQL03-EX-05

Commit saves all the changes made in a session to the database while rollback rolls back the changes saved in the database.