DATA BASE MANAGEMENT SYSTEM

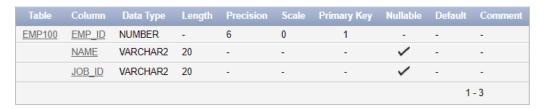
ISHWARI RAJMOHAN

Computer Science and Engineering

EX 4



create table emp3(emp_id number(6), name varchar2(20), job_id varchar2(20), constraint my_emp_id_pk primary key(emp_id));





create table dept3(id number(6),name varchar2(20),job_id varchar2(20), constraint my_dept_id_pk primary key(id));

Object Type TABLE Object DEPT3

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
DEPT3	<u>ID</u>	NUMBER	-	6	0	1	-	-	-
	NAME	VARCHAR2	20	-	-	-	~	-	-
	JOB_ID	VARCHAR2	20	-	-	-	~	-	-
								1	- 3

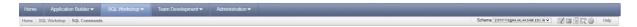


alter table emp3 add dept_id number(6);

alter table emp3 add constraint my_emp_dept_id_fk foreign key (dept_id) references dept3 (id);

Object Type TABLE Object EMP3

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
EMP3	EMP_ID	NUMBER	-	6	0	1	-	-	-
	NAME	VARCHAR2	20	-	-	-	~	-	-
	JOB_ID	VARCHAR2	20	-	-	-	~	-	-
	DEPT_ID	NUMBER	-	6	0	-	/	-	-
								1	- 4



alter table emp3 add commission number(2,2);

Object Type TABLE Object EMP3

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
EMP3	EMP_ID	NUMBER	-	6	0	1	-	-	-
	NAME	VARCHAR2	20	-	-	-	~	-	-
	JOB_ID	VARCHAR2	20	-	-	-	~	-	-
	DEPT_ID	NUMBER	-	6	0	-	~	-	-
	COMMISSION	NUMBER	-	2	2	-	~	-	-
								1	- 5

alter table emp3

add constraint commission check(commission>0);

Object Type TABLE Object EMP3

	po								
Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
EMP3	EMP_ID	NUMBER	-	6	0	1	-	-	-
	NAME	VARCHAR2	20	-	-	-	~	-	-
	JOB_ID	VARCHAR2	20	-	-	-	~	-	-
	DEPT_ID	NUMBER	-	6	0	-	~	-	-
	COMMISSION	NUMBER	-	2	2	-	~	-	-
								1	- 5

EX5



create view EMPLOYEE_VU(emp_id, last_name, job_id)

as select emp_id, last_name as Employee, job_id from employeee;

Object Type VIEW Object EMPLOYEE_VU

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Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
EMPLOYEE_VU	EMP_ID	NUMBER	-	7	0	-	~	-	-
	LAST_NAME	VARCHAR2	25	-	-	-	~	-	-
	JOB_ID	VARCHAR2	25	-	-	-	~	-	-
								1	- 3

select * from employee_vu;

EMP_ID	LAST_NAME	JOB_ID
1	Arun	a123
2	Aruna	b123
3	Anush	c123

CREATE VIEW dept50 AS

SELECT employee_id empno, last_name employee,

department_id deptno

FROM employees

WHERE department_id = 50

WITH CHECK OPTION CONSTRAINT emp_dept_50;

Object Type VIEW Object DEPT50

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
DEPT50	<u>EMPNO</u>	NUMBER	-	6	0	-	-	-	-
	EMPLOYEE	VARCHAR2	25	-	-	-	-	-	-
	<u>DEPTNO</u>	NUMBER	-	4	0	-	~	-	-
								1	- 3