1. 分别建立表dept1和emp1，并在二者之间定义关联。

|  |  |  |  |
| --- | --- | --- | --- |
| **表名** | **列名** | **数据约束** | **约束** |
| **DEPT1** | **Dno** | **Decimal(3)** | **PRIMARY KEY** |
|  | **NAME** | **VARCAHR(10)** |  |
|  | **LOC** | **VARCHAR(20)** |  |

|  |  |  |  |
| --- | --- | --- | --- |
| 表名 | 列名 | 数据类型 | 约束 |
| EMP1 | Eno | Decimal(4) |  |
|  | NAME | VARCHAR(10) | UNIQUE |
|  | Salary | Decimal(6,2) |  |
|  | Dno | Decimal(3) | FOREIGN KEY  级联删除 |

2、增加约束

（1）在DEPT1表的NAME列上增加唯一约束UN\_DEPT1\_NAME。

alter table dept1

-> add constraint un\_dept1\_name unique (name);

1. 在EMP1表的ENO列上增加主键约束PK\_EMP1.

alter table emp1 add constraint ok\_emp1 primary key(eno);

1. 在EMP1表的SALARY列上增加CHECK约束CHK\_SALARY(工资范围：2000~5000）

alter table emp1 add constraint chk\_salary check(salary > 2000 and salary < 5000);

3、当在EMP01表上建立删除触发器tr\_delete\_emp01，将被删除的雇员姓名及删除日期记录到表audit\_delete\_emp中。

create trigger tr\_delete\_emp01

-> after delete

-> on emp1

-> for each row

-> insert into audit\_delete\_emp

-> values(old.name,now());

4、在DEPT01表上针对DELETE操作建立级联删除触发器tr\_del\_emp01。当删除DEPT01表数据时，级联删除EMP01表的相关数据。

create trigger tr\_del\_emp01

-> after delete

-> on dept1

-> for each row

-> delete from emp1 where dno=old.dno;