

计算机科学与技术学院 数据库系统 课程实验报告

实验题目：报表统计		学号：201600301291
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实验目的： 综合使用 sql 语句		
实验软件和硬件环境： Windows10 操作系统，实验提供的数据库操作平台		
实验步骤：（不要求罗列完整源代码） 选出每个人同一门课的最大成绩，保存到一个视图 <pre>create or replace view a as select sid,cid,max(score) score from pub.STUDENT_COURSE group by sid,cid create table test8_01(Dname varchar(30), avg_ds_score int,avg_os_score int) create or replace view b (dname,avs) as (select s.Dname,avg(a.score) from pub.student s , a , pub.course c where c.name='数据结构' and s.sid=a.sid and c.CID=a.cid group by s.dname) create or replace view c (dname,avo) as (select s.Dname,avg(a.score) from pub.student s , a , pub.course c where c.name='操作系统' and s.sid=a.sid and c.CID=a.cid group by s.dname) create or replace view d (dname,avs,avo) as (select * from b natural join c) insert into test8_01(dname,Avg_ds_score,Avg_os_score) select * from d create table test8_02(sid char(12), name varchar(10), Dname varchar(30), ds_score int,os_score int)</pre>		

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create or replace view b (sid,name,dname,s) as (select
s.sid,s.NAME,s.Dname,(a.score) from pub.student s ,
a , pub.course c where c.name='数据结构' and s.sid=a.sid and c.CID=a.cid
and dname='计算机科学与技术学院'
)

create or replace view c (sid,name,dname,o) as (select
s.sid,s.NAME,s.Dname,(a.score) from pub.student s ,
a , pub.course c where c.name='操作系统' and s.sid=a.sid and c.CID=a.cid
and dname='计算机科学与技术学院'
)
create or replace view d (sid,name,dname,s,o) as (select * from b natural
join c)
insert into test8_02(sid,name,dname,ds_score,os_score) select * from d

create table test8_03(
sid char(12),
name varchar(10),
Dname varchar(30),
ds_score int,os_score int)
create or replace view d (sid,name,dname,s,o) as (select * from b natural
full outer join c)
insert into test8_03(sid,name,dname,ds_score,os_score) select * from d


create table test8_04(
sid char(12),
name varchar(10),
Dname varchar(30),
ds_score int,os_score int)
create or replace view e (sid,name,dname) as (select sid,name,dname from
pub.STUDENT
where dname='计算机科学与技术学院')
create or replace view d (sid,name,dname,s,o) as (select * from b natural
full outer join c natural full
outer join e)
insert into test8_04(sid,name,dname,ds_score,os_score) select * from d

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