Chris Harms

DBMS Lab 5

1. create view vendors\_with\_invoices as

select \*

from vendors

where vendor\_id in (select vendor\_id

from invoices);

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Description automatically generated

1. insert into vendors\_with\_invoices(vendor\_id,vendor\_name,vendor\_city,vendor\_state,vendor\_zip\_code,default\_terms\_id,default\_account\_number)

values (150,'UK Postal Service','Madison','WI','53707',1,552);

commit;

The query went through without error, and the new record was inserted into the vendors table

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Description automatically generated

1. drop view vendors\_with\_invoices;

create view vendors\_with\_invoices as

select \*

from vendors

where vendor\_id in (select vendor\_id

from invoices)

with check option;

insert into vendors\_with\_invoices(vendor\_id,vendor\_name,vendor\_city,vendor\_state,vendor\_zip\_code,default\_terms\_id,default\_account\_number)

values (150,'UK Postal Service','Madison','WI','53707',1,552);

commit;

This time it errored out with a “view WITH CHECK OPTION where-clause violation”

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1. create table Customer\_Statistics (

customer\_id NUMBER PRIMARY KEY,

Number\_of\_Orders NUMBER,

Number\_of\_Items NUMBER);

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1. select c.customer\_id, count(o.order\_id), sum(d.order\_qty)

from customers c left outer join orders o

on c.customer\_id = o.customer\_id

left outer join order\_details d

on o.order\_id = d.order\_id

group by c.customer\_id;

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1. insert into customer\_statistics

select c.customer\_id as customer\_id, count(o.order\_id) as Number\_of\_Orders, NVL(sum(d.order\_qty),0) as Number\_of\_items

from customers c left outer join orders o

on c.customer\_id = o.customer\_id

left outer join order\_details d

on o.order\_id = d.order\_id

group by c.customer\_id;

commit;

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Description automatically generated

1. update customer\_statistics

set Customer\_status = 'ok'

where number\_of\_orders = 0 or number\_of\_orders=1;

commit;

update customer\_statistics

set customer\_status = 'good'

where number\_of\_orders >=2;

commit;

update customer\_statistics

set customer\_status = 'great'

where number\_of\_orders > 5 and number\_of\_items >5;

commit;

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Description automatically generated

1. delete from customer\_statistics

where number\_of\_orders=0;

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Description automatically generated

1. alter table customer\_statistics

modify number\_of\_items not null;

commit;

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1. alter table customer\_statistics

modify number\_of\_orders default 0;

commit;

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Description automatically generated

1. truncate table customer\_statistics;

commit;

The table definition is still present, but the data is gone

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1. drop table customer\_statistics;

commit;

Table has been completely removed.

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