.Assignment 4 Part 2: Advanced Queries, Joins & Views

QUERIES

1. *List all users who currently have an item being shipped from oldest to newest shipments(tracking numbers)*

SELECT u.user\_id, user\_name, s.shipping\_tracking

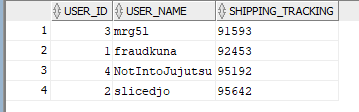
FROM shipping s, users u, sold i

WHERE s.shipping\_tracking > 0

AND s.user\_id = u.user\_id

AND s.shipping\_tracking= i.shipping\_tracking

ORDER BY shipping\_tracking ASC;



2. *List all of the auctions one user has put up*

SELECT a.user\_id, a.item\_id, i.item\_name

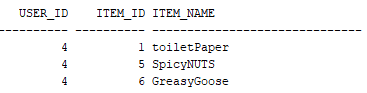
FROM auctions a, users u, items i

WHERE user\_id=4

AND a.user\_id = u.user\_id

AND a.item\_id = i.item\_id

ORDER BY item\_id ASC;



3. *List of items that have been bid on in the past 3 days, hence the most popular.*  
SELECT a.item\_id, a.auction\_latest, i.item\_endDate, b.bids\_top

FROM auctions a, bids b, items i

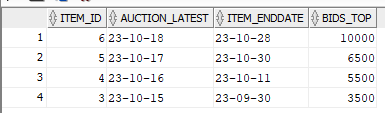
WHERE a.auction\_latest >= SYSDATE - 4

AND a.auction\_latest <= SYSDATE

AND a.item\_id = i.item\_id

AND b.item\_id = i.item\_id

ORDER BY a.auction\_latest DESC;



VIEWS

1. *The total amount of bids a user has on an item*

CREATE VIEW BiddingActivity AS

(SELECT u.user\_id, COUNT(b.item\_id) AS total\_bids

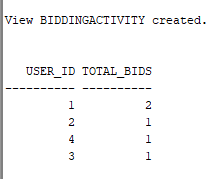
FROM pastbids b, users u

WHERE b.item\_id=1

AND u.user\_id = b.user\_id

GROUP BY u.user\_id

);



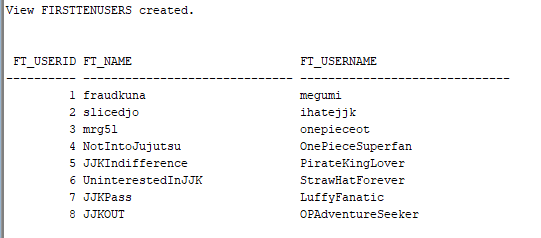
2. *Get the first ten user accounts created inclusive, and create a view with their id number, username, and name*  
CREATE VIEW FirstTenUsers (FT\_UserID, FT\_Name, FT\_Username) AS

(SELECT user\_id, user\_name, user\_username

FROM users

WHERE user\_id <= 10

);



3. *Get the users that have a financial card that expires within 10 days.*

CREATE VIEW ExpireSoon (ES\_UserID, ES\_Expiry) AS

(SELECT user\_id, finance\_expiry

FROM finance

WHERE finance\_expiry > SYSDATE AND finance\_expiry <= SYSDATE + 10

);

