MSDA 652 HW 4 - Matt Harrington

1. Write a query to find the number of cars that were bought by Vikram Solanki.

SELECT count( distinct pur\_id) as 'CarsPurchasedByVikramSolanki'

FROM car\_customer cust, car\_purchases pur

WHERE cust.cus\_id=pur.cus\_id

AND cust.cus\_first LIKE 'Vikram'

AND cust.cus\_last LIKE 'Solanki'

1. Display the customers that have rented the video ‘Titanic’ , Sort by first name and last name.

SELECT c.cus\_first + ' ' + c.cus\_last as 'TitanicRenters'

FROM video\_customer c, video\_rents r, video\_copy1 cop, video\_video v

WHERE c.cus\_id = r.cus\_id AND r.cid=cop.cid AND cop.isbn=v.isbn

AND v.title LIKE 'Titanic'

ORDER BY c.cus\_first + ' ' + c.cus\_last

1. Using the pertinent video database tables, write a query to display the total amount spent by each customer for purchasing.

SELECT cus\_first + ' ' + cus\_last as 'Name', sum(amt) as 'TotalSpentPurchasing'

FROM video\_customer cus LEFT OUTER JOIN video\_purchases p

ON cus.cus\_id = p.cus\_id

GROUP BY cus\_first + ' ' + cus\_last

1. Write a query to display the genre type of videos and the number of videos of that particular type has rate\_description ‘%good%’ in it.

SELECT genre\_type, count(genre\_type) as 'Count'

FROM video\_video v JOIN video\_ratings r

ON v.rate\_id=r.rate\_id

WHERE rate\_description LIKE '%good%'

GROUP BY genre\_type

1. From the video database, write a query to display the isbn, title, and the count of the number of actors in each video.

SELECT v.isbn, v.title, count(a.act\_id) as 'ActorsIn'

FROM video\_video v LEFT OUTER JOIN video\_act\_in a

ON v.isbn = a.isbn

GROUP BY v.isbn, v.title