

## Solution Practice Lab#5

Use actor table in sakila database

### More queries on Join

1. Use JOIN to display the Name(concatenate first and last names), as well as the address, district, postal\_code, city\_id, of each staff member. Use the tables staff and address:

```
select concat(stf.first_name," ", stf.last_name) as name, adr.address,
adr.district, adr.city_id
from staff stf
left join address adr
on stf.address_id = adr.address_id;
```

2. Use JOIN to display the total amount rung up by each staff member in june of 2005. Use tables staff and payment.

```
select concat(stf.first_name," ", stf.last_name) as Name, sum(pay.amount) as
total_amount
from staff stf
left join payment pay
on stf.staff_id = pay.staff_id
WHERE month(pay.payment_date) = 6
and year(pay.payment_date) = 2005
group by name;
```

3. List each film and the number of actors who are listed for that film. Use tables film\_actor and film. Use inner join (Display only first 10 records).

```
select flm.title, count(*) number_of_actors
from film flm
inner join film_actor fim_act
on flm.film_id = fim_act.film_id
group by flm.title
order by number_of_actors desc limit 10;
```

4. How many copies of the film 'Crazy Home' exist in the inventory system?

```
select flm.title, count(*) number_in_inventory
from film flm
inner join inventory inv
on flm.film_id = inv.film_id
where lower(flm.title) = lower('Crazy Home')
group by flm.title;
```

### View

1. Create a view Total\_Amount\_paid using the tables payment and customer and the JOIN command, list the total paid by each customer. List the customers alphabetically by last name (Display only 5 records):

```
Create view Total_Amount_paid as select concat(cust.first_name," ",
cust.last_name) as Name, sum(pay.amount) 'Total Amount Paid'
from payment pay
join customer cust
on pay.customer_id = cust.customer_id
group by cust.first_name, cust.last_name
order by cust.last_name limit 5;
```

2. Alter Total\_Amount\_paid & now display 10 records  
Alter view Total\_Amount\_paid as select cust.first\_name, cust.last\_name,  
sum(pay.amount) 'Total Amount Paid'  
from payment pay  
join customer cust  
on pay.customer\_id = cust.customer\_id  
group by cust.first\_name, cust.last\_name  
order by cust.last\_name limit 10;
3. Display view Top\_Five\_Genres
4. Drop view Top\_Five\_Genres