

Anik Shaikh

BDA

Batch 31

Practical 8

DBMS

23162121021

Question:

Actor Table

1. Create a view to store all information of the actors whose name starts with 'A' and last name contains 'A'. Verify whether the view is created or not by displaying all the data from view.
2. Create a view which displays the actor table in the descending order of their last name
3. Delete the above created view

Language Table

4. Create a view to display language id, name and last update
5. Insert following record with name and last update in the view, also verify whether it has been inserted in base table or not  
( 'Hindi', '2013-07-05 '12:23:05' )
6. Update the language of the newly inserted record to 'Spanish' and verify whether it has been updated in the base table or not
7. Delete the record of Spanish Language and verify whether it has been deleted from the base table or not
8. Create a view which stores language id, name and last update for those records which are last updated on '2006-02-15 05:02:19' with check option
9. Insert a new record with language Hindi and last update as '2020-07-13 10:00:19' and verify whether it has been inserted or not
10. Insert a new record with language Hindi and last update as '2006-02-15 05:02:19' and verify whether it has been inserted or not

11. Update the newly inserted record with last update as '2020-07-13 10:00:19' and verify whether it has been updated or not

Code:

```
use sakila;
```

```
set SQL_SAFE_UPDATES = 0;
```

```
create view actors_a as
```

```
select * from actor
```

```
where first_name like 'a%' and last_name like '%a%';
```

```
select * from actors_a;
```

```
create view actors_desc as
```

```
select * from actor
```

```
order by last_name desc;
```

```
select * from actors_desc;
```

```
drop view actors_a;
```

```
drop view actors_desc;
```

```
create view lang_view as
```

```
select language_id, name, last_update
```

```
from language;
```

```
select * from lang_view;
```

```
insert into lang_view (name, last_update)
```

```
values ('hindi', '2013-07-05 12:23:05');
```

```
select * from lang_view;
```

```
select * from language;
```

```
update lang_view
```

```
set name = 'spanish'
```

```
where name = 'hindi';
```

```
select * from lang_view;
```

```
select * from language;
```

```
delete from lang_view
```

```
where name = 'spanish';
```

```
select * from lang_view;
```

```
select * from language;
```

```
create view lang_check as
```

```
select language_id, name, last_update
```

```
from language
```

```
where last_update = '2006-02-15 05:02:19'
```

```
with check option;
```

```
insert into lang_check (name, last_update)
```

```
values ('hindi', '2020-07-13 10:00:19');
```

```
insert into lang_check (name, last_update)
```

```
values ('hindi', '2006-02-15 05:02:19');
```

```
select * from lang_check;
```

```
select * from language;
```

update lang\_check

set last\_update = '2020-07-13 10:00:19'

where name = 'hindi';

select \* from lang\_check;

select \* from language;

Output:

actor_id	first_name	last_name	last_update
85	MINNIE	ZELLWEGER	2006-02-15 04:34:33
186	JULIA	ZELLWEGER	2006-02-15 04:34:33
111	CAMERON	ZELLWEGER	2006-02-15 04:34:33
63	CAMERON	WRAY	2006-02-15 04:34:33
13	UMA	WOOD	2006-02-15 04:34:33
156	FAY	WOOD	2006-02-15 04:34:33
144	ANGELA	WITHERSPOON	2006-02-15 04:34:33
68	RIP	WINSLET	2006-02-15 04:34:33
147	FAY	WINSLET	2006-02-15 04:34:33
168	WILL	WILSON	2006-02-15 04:34:33
96	GENE	WILLIS	2006-02-15 04:34:33
83	BEN	WILLIS	2006-02-15 04:34:33

language_id	name	last_update
1	English	2006-02-15 05:02:19
2	Italian	2006-02-15 05:02:19
3	Japanese	2006-02-15 05:02:19
4	Mandarin	2006-02-15 05:02:19
5	French	2006-02-15 05:02:19
6	German	2006-02-15 05:02:19
7	Hindi	2013-07-05 12:23:05
8	hindi	2013-07-05 12:23:05

Result Grid			
Filter Rows:			
Export:			
Wrap Cell Content:			
language_id	name	last_update	
1	English	2006-02-15 05:02:19	
2	Italian	2006-02-15 05:02:19	
3	Japanese	2006-02-15 05:02:19	
4	Mandarin	2006-02-15 05:02:19	
5	French	2006-02-15 05:02:19	
6	German	2006-02-15 05:02:19	
7	Hindi	2013-07-05 12:23:05	
8	hindi	2013-07-05 12:23:05	
9	hindi	2013-07-05 12:23:05	

actors\_a 8
actors\_desc 9
lang\_view 10
lang\_view 11 x
language 12
lang\_view 13
language 14
lang\_view 15
language 16

Result Grid			
Filter Rows:			
Edit:			
Export/Import:			
Wrap Cell Content:			
language_id	name	last_update	
1	English	2006-02-15 05:02:19	
2	Italian	2006-02-15 05:02:19	
3	Japanese	2006-02-15 05:02:19	
4	Mandarin	2006-02-15 05:02:19	
5	French	2006-02-15 05:02:19	
6	German	2006-02-15 05:02:19	
7	Hindi	2013-07-05 12:23:05	
8	hindi	2013-07-05 12:23:05	
9	hindi	2013-07-05 12:23:05	
* HULL	HULL	HULL	

Result Grid			
Filter Rows:			
Export:			
Wrap Cell Content:			
language_id	name	last_update	
1	English	2006-02-15 05:02:19	
2	Italian	2006-02-15 05:02:19	
3	Japanese	2006-02-15 05:02:19	
4	Mandarin	2006-02-15 05:02:19	
5	French	2006-02-15 05:02:19	
6	German	2006-02-15 05:02:19	
7	spanish	2024-09-11 21:42:02	
8	spanish	2024-09-11 21:42:02	
9	spanish	2024-09-11 21:42:02	

actors\_a 8
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lang\_view 10
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Result Grid			
Filter Rows:			
Edit:			
Export/Import:			
Wrap Cell Content:			
language_id	name	last_update	
1	English	2006-02-15 05:02:19	
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4	Mandarin	2006-02-15 05:02:19	
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6	German	2006-02-15 05:02:19	
7	spanish	2024-09-11 21:42:02	
8	spanish	2024-09-11 21:42:02	
9	spanish	2024-09-11 21:42:02	
* HULL	HULL	HULL	

Result Grid			
Filter Rows:			
Export:			
Wrap Cell Content:			
language_id	name	last_update	
1	English	2006-02-15 05:02:19	
2	Italian	2006-02-15 05:02:19	
3	Japanese	2006-02-15 05:02:19	
4	Mandarin	2006-02-15 05:02:19	
5	French	2006-02-15 05:02:19	
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actors\_a 8
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lang\_view 10
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Result Grid			
Filter Rows:			
Export:			
Wrap Cell Content:			
language_id	name	last_update	
1	English	2006-02-15 05:02:19	
2	Italian	2006-02-15 05:02:19	
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4	Mandarin	2006-02-15 05:02:19	
5	French	2006-02-15 05:02:19	
6	German	2006-02-15 05:02:19	

actors_a 8			
actors_desc 9			
lang_view 10			
lang_view 11			
language 12			
lang_view 13			
language 14			
lang_view 15 x			
language 16			
Result Grid			
Filter Rows:			
Edit:			
Export/Import:			
Wrap Cell Content:			
language_id	name	last_update	
1	English	2006-02-15 05:02:19	
2	Italian	2006-02-15 05:02:19	
3	Japanese	2006-02-15 05:02:19	
4	Mandarin	2006-02-15 05:02:19	
5	French	2006-02-15 05:02:19	
6	German	2006-02-15 05:02:19	
* NULL	NULL	NULL	

actors_a 8			
actors_desc 9			
lang_view 10			
lang_view 11			
language 12			
lang_view 13			
language 14			
lang_view 15			
language 16 x			
39	21:42:02	create view lang_view as select language_id, name, last_update from language	0 row(s) affected
40	21:42:02	select * from lang_view LIMIT 0, 1000	8 row(s) returned
41	21:42:02	insert into lang_view (name, last_update) values ('hindi', '2013-07-05 12:23:05')	1 row(s) affected
42	21:42:02	select * from lang_view LIMIT 0, 1000	9 row(s) returned
43	21:42:02	select * from language LIMIT 0, 1000	9 row(s) returned
44	21:42:02	update lang_view set name = 'spanish' where name = 'hindi'	3 row(s) affected Rows matched: 3 Changed: 3 Warnings: 0
45	21:42:02	select * from lang_view LIMIT 0, 1000	9 row(s) returned
46	21:42:02	select * from language LIMIT 0, 1000	9 row(s) returned
47	21:42:02	delete from lang_view where name = 'spanish'	3 row(s) affected
48	21:42:02	select * from lang_view LIMIT 0, 1000	6 row(s) returned
49	21:42:02	select * from language LIMIT 0, 1000	6 row(s) returned
50	21:42:02	create view lang_check as select language_id, name, last_update from language where last_update = 2006...	0 row(s) affected
Result Grid			
Filter Rows:			
Export:			
Wrap Cell Content:			
actor_id	first_name	last_name	last_update
29	ALEC	WAYNE	2006-02-15 04:34:33
71	ADAM	GRANT	2006-02-15 04:34:33
76	ANGELINA	ASTAIRE	2006-02-15 04:34:33
146	ALBERT	JOHANSSON	2006-02-15 04:34:33
165	AL	GARLAND	2006-02-15 04:34:33
190	AUDREY	BAILEY	2006-02-15 04:34:33

actors\_a 8 x actors\_desc 9 lang\_view 10 lang\_view 11 language 12 lang\_view 13 language 14 lang\_view 15 language 16