

DAT 560G
Homework#3
SID:499100

7)
USE Movies;

```
select movie, screenid, budget, datetime
from movies natural join schedule
where screenid="Screen3"
order by datetime;
```

Result Grid					
Filter Rows: Search Export:					
	movie	screenid	budget	datetime	
▶	Wonder Woman 1984	Screen3	200	2021-08-15 22:00:00	
	Demon Slayer The Movie	Screen3	15.8	2021-08-16 19:00:00	
	Demon Slayer The Movie	Screen3	15.8	2021-08-18 10:00:00	
	Jurassic World	Screen3	150	2021-08-18 13:00:00	
	Furious 7	Screen3	NULL	2021-08-18 22:00:00	
	Wonder Woman 1984	Screen3	200	2021-08-19 22:00:00	
	Wonder Woman 1984	Screen3	200	2021-08-20 16:00:00	
	Godzilla vs Kong	Screen3	170	2021-08-20 19:00:00	
	Wonder Woman	Screen3	130	2021-08-21 10:00:00	
	The Lost World: Jurassic Park	Screen3	73	2021-08-21 16:00:00	
	Wonder Woman 1984	Screen3	200	2021-08-21 19:00:00	
	Furious 7	Screen3	NULL	2021-08-21 22:00:00	
Result 17					
Action Output					
		Time	Action	Response	
✖	40	11:16:01	select schedule.movie, screenid, budget, dateti...	Error Code: 1064. You have an e	
✖	41	11:16:13	select movie, screenid, budget, datetime from m...	Error Code: 1064. You have an e	
✔	42	11:16:26	select movie, screenid, budget, datetime from m...	12 row(s) returned	

8)
USE Screens;

```
select screens.screenid, movie, capacity, numrows, day
from screens left join schedule
on screens.screenid=schedule.screenid
where capacity>=125 and numrows>=12
order by day;
```

Result Grid						
		Filter Rows:	Search	Export:		
	screenid	movie	capacity	numrows	day	
	Screen8	NULL	200	15	NULL	
	Screen11	NULL	500	30	NULL	
	Screen9	Jurassic World	200	15	Friday	
	Screen10	The Lost World: Jurassic Park	200	15	Friday	
	Screen10	Jurassic World	200	15	Monday	
	Screen9	Godzilla vs Kong	200	15	Monday	
	Screen9	F9 The Fast Saga	200	15	Monday	
	Screen9	Wonder Woman	200	15	Saturday	
	Screen12	Demon Slayer The Movie	500	30	Saturday	
	Screen10	Godzilla vs Kong	200	15	Saturday	
	Screen12	Wonder Woman	500	30	Sunday	
	Screen12	Furious 7	500	30	Sunday	
	Screen9	Tom and Jerry	200	15	Sunday	
	Screen9	F9 The Fast Saga	200	15	Sunday	
	Screen12	F9 The Fast Saga	500	30	Thursday	
	Screen7	Jurassic World	200	15	Thursday	
	Screen7	Jurassic World	200	15	Thursday	
	Screen9	F9 The Fast Saga	200	15	Thursday	
	Screen12	The Departed	500	30	Tuesday	
	Screen12	The Departed	500	30	Tuesday	
	Screen9	Raya and the Last Dragon	200	15	Tuesday	
	Screen10	Furious 7	200	15	Tuesday	
	Screen7	Raya and the Last Dragon	200	15	Tuesday	
▶	Screen12	Wonder Woman	500	30	Wedne...	
	Screen12	Raya and the Last Dragon	500	30	Wedne...	
	Screen12	The Lost World: Jurassic Park	500	30	Wedne...	
	Screen7	Wonder Woman	200	15	Wedne...	
Result 21						
Action Output						
	Time	Action	Response			
✓ 46	11:22:09	select screens.screenid, movie, capacity, numro...	32 row(s) returned			

9)

USE Movies;

```

select day, count(distinct schedule.movie), count(datetime), avg(imdbrating), sum(capacity)
from screens join schedule using(screenid)
join movies using (movie)
group by day;

```

Result Grid						
		Filter Rows:		Search		Export:
	day	count(distinct schedule.mo...	count(datetim...	avg(imdbrating)	sum(capacity)	
▶	Friday	6	6	6.666666666666667	850	
	Monday	5	6	6.266666666666667	1000	
	Saturday	8	11	6.736363636363637	1850	
	Sunday	9	13	6.76923076923077	2600	
	Thursday	6	12	6.275000000000001	2050	
	Tuesday	4	9	7.233333333333334	2100	
	Wednesday	9	17	7.205882352941177	3650	
Result 23						
Action Output						
	Time	Action			Response	
✓ 49	11:32:43	select day, count(distinct schedule.movie), coun...			7 row(s) returned	

No, cannot at sum(budget). Because the movie on each day some movies was on multiple times, the budget will be added several times it is not the correct one.

10)

It returns an error because we set group by day, however, these movies can be shown on different screen which is not the same length of these two variables.

11)

USE Movies;

```
select movies.movie, budget,count(datetime), avg(imdbrating), sum(salary)
from movies left join schedule using(movie)
left join actors using (movie)
group by movie;
```

Result Grid

Filter Rows:

Q

Search

Export:

movie	budget	count(datetim...	avg(imdbrating)	sum(salary)
▶ 12 Mighty Orphans	NULL	0	6.8	NULL
A Quiet Place: Part II	61	0	7.8	NULL
American Sniper	NULL	0	7.3	NULL
Batman Forever	NULL	0	5.4	NULL
Batman v Superman: Dawn of Justice	NULL	0	6.4	NULL
Black Widow	200	0	NULL	NULL
Bruce Almighty	NULL	0	6.7	NULL
Cruella	150	0	7.4	NULL
Demon Slayer The Movie	15.8	6	8.4	NULL
Despicable Me 2	NULL	0	7.3	NULL
Dream Horse	NULL	0	6.8	NULL
Eternals	200	0	NULL	NULL
F9 The Fast Saga	200	84	5.199999999...	50750000
Furious 7	NULL	80	7.100000000...	60000000
Godzilla vs Kong	170	50	6.399999999...	67500000
Harry Potter and the Goblet of Fire	NULL	0	7.7	NULL
Harry Potter and the Sorcerers Stone	NULL	0	7.6	NULL
How the Grinch Stole Christmas	NULL	0	6.2	NULL
Jurassic World	150	72	7	110250000
Jurassic World: Fallen Kingdom	150	21	6.200000000...	36000000
Mortal Kombat	55	0	6.2	NULL
No Time to Die	300	0	NULL	NULL
Nobody	NULL	0	7.4	NULL
Peter Rabbit 2: The Runaway	45	0	NULL	NULL
Raya and the Last Dragon	150	5	7.4	NULL
Space Jam: A New Legacy	150	0	NULL	NULL
Soiral	20	0	5.3	NULL

Result 25

Action Output

	Time	Action	Response
✓ 58	11:48:46	select movies.movie, budget,count(datetime), avg(imdbrating), sum(salary) fro...	45 row(s) returned

12)

USE Movies;

select movies.movie, budget,director,imdbreviews, actor, minutes, genre
from movies left join actors using(movie)
where genre = "Comedy"
order by director;

