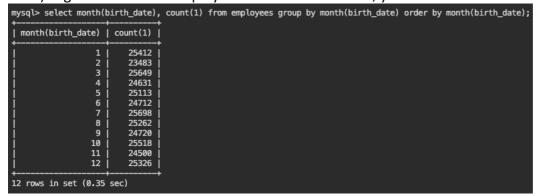
Hello Lawrence:

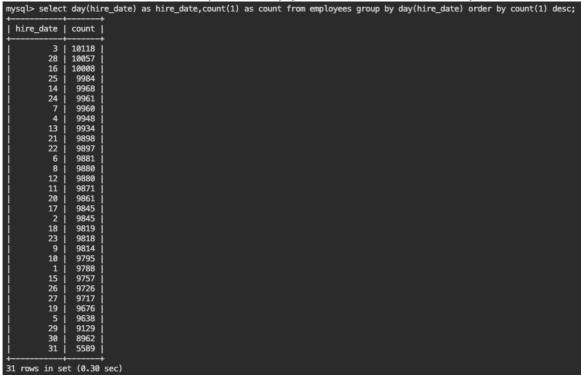
I hope your are doing well. I am pleasure to help with the database questions though I might not able to answer some of them because the limited time. I tried my best to help you answer the questions and here are the answers:

Part 1

1) I get the count of employees born in each month, you can see the screenshot below.

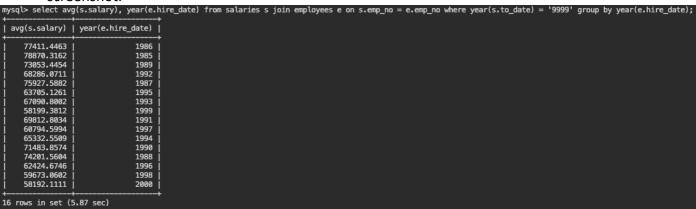


2) The 3rd day of the month on average we hire the most people, which is 10118. I also generated other months' count, hope that help you understand the monthly activities.



3) The average salary by job title are shown below, people with title Senior Staff have the highest average salary.

4) The average for all folks that are currently employed by year of hire is also generated below in the screenshot.



Part 2:

1) The average number of steps for july are shown below, it is grouped by the user names.



2) I really want to help you with this question, however, I found that this user does not have a valid sleep data records. I will follow up with the IT department to double check if the data is correct.

```
mysql> select avg(fs.fitbit_duration) as sleep_minutes from fitbit_sleep fs
    -> join users_field_data ufd on fs.user_id = ufd.uid
    -> where ufd.name = 'f9f67f5beddc05e72d4c1715c26df95d'
    -> group by month(fs.fitbit_date)
    -> ;
Empty set (0.04 sec)
```

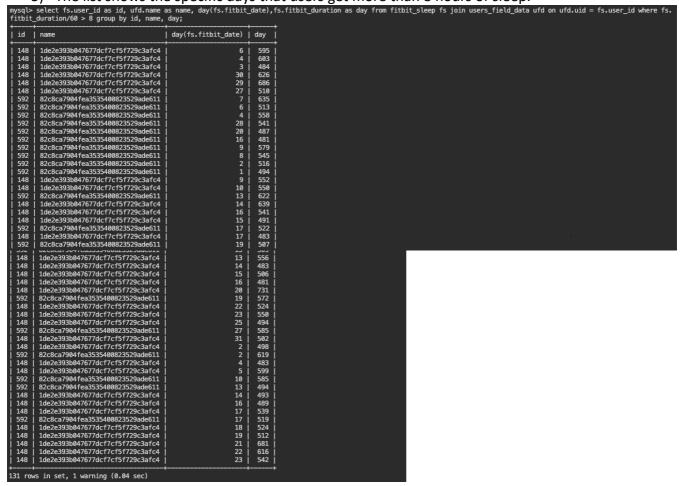
```
mysql> select * from fitbit_sleep where user_id = '907';
Empty set (0.05 sec)
```

3) The screenshot below shos the list of each user_id and the max steps they walked in a single day for each month.



4) It is a complicated question, I will definitely find time investigating it when I is available, but I will leave it as blank now. Hope you can understand.

5) The list shows the specific days that users get more than 8 hours of sleep.



6) It is also a complicated question, I trid my best to solve it, but I cannot fully guarantee it is correct. Please make it as a reference. Again, I will double check the answer when I have more available time!



The attached pictures are documentation for references. Sorry again for skipping one of the questions. But no worries, please check your email and I will keep you updated on my status! I did not hear my boss mention the promotion yet, it would be better you could get quick anwer directly from Raj. Thank you!

Best, Jae

database	ro_research1		Field Name	Data Type	Value	notes
table	day_entity		id	int	id number	primary
			user id	int	user id number	multiple
			created	int	starts with 157xxx	
			changed	int	starts with 157xxx	
			fitbit date	date	date xxxx-xx-xx	
			fitbit_steps	int	int number, some are 0	
		///	fitbit_goal	int	int number, more whole number	
			fitbit_veryacm	int	int number, 0-100	
			fitbit_fairacm	int	int number, 0-100	
			fitbit_ligham	int	int number, 0-1000	
			fitbit_sedmin	int	int number, 0-3000?	
database	ro_research1		Field Name	Data Type	Value	notes
table	fitbit_day_detail		id	int	id number, large id number	primary
			user id	int	id number, small id number	multiple
			fitbit_steps	int	from 0 to xxx	
		*	created	int	starts with 15xxx	
			changed	int	starts with 15xxx	
		1				
			fitbit_date	date	date xxx-xx-xx xx:xx:xx	
database	ro_research1		Field Name	Data Type	Value	notes
able	fitbit_hr	1	id	int	id, identical	primary
			user_id	int	id, not identical	multiple
			fitbit_date	date	date xxx-xx-xx xx:xx:xx	
			fitbit_hr	int	hour	
		//	fitbit_time	varchar	time(clock): xx:xx:xx	
		/ /	_created	int	large int number, starts with 15xxx	
			reateu	nit.	large inchamber, starts with 13444	
l=4=b=		//	Field No	Data Torre	Value	
latabase	ro_research1		Field Name	Data Type		notes
table	fitbit_sleep		id	int	id number	primary
			user_id	int	user id	multiple
			name	varchar	date (?): xxxx-xx	
		1 7	fitbit date	varchar	date, xxxx-xx-xx	
			fitbit duration	int	int	
		V	fitbit efficiency	int	some are null	
			fitbit timeinbed	int	int	
			fitbit ismainsleep		some are 0	
			created	int	large int number, starts with 15xxx	
			createu	IIIL	large int number, starts with 13xxx	
			F1-1-1-1		W-1	
database	ro_research1		Field Name	Data Type		notes
table	goal_entity		id	int	id number, identical	primary
			iser_id	int	user id	multiple
		_				
			goal	int	whole number	
			goal date	int varchar	whole number date: xxxx-xx-xx	
			T.			
latabase	ro research1		T.	varchar	date: xxxx-xx	notes
	_		date Field Name	varchar Data Type	date: xxxxxxxx	
	ro_research1 suth_user		date Field Name id	varchar Data Type int	date: xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	primary
	_		date Field Name id user_id	varchar Data Type int int	date: xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	
	_		Field Name id user_id Startdate	Varchar Data Type int int varchar	date: xxxx-xx Value id number, identical user id date: xxxx-xx, some are 0000-00-00	primary
	_		date Field Name id user_id	varchar Data Type int int	date: xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	primary
able	suth_user		Field Name id user_id Startdate ptstatus	Data Type int int varchar varchar	date: xxxx-xx Value id number, identical user id date: xxxx-xx, some are 0000-00-00 Active or aw	primary multiple
able	suth_user ro_research1		Field Name id user_id Startdate	Varchar Data Type int int varchar	date: xxxx-xx Value id number, identical user id date: xxxx-xx, some are 0000-00-00 Active or aw	primary
able latabase	suth_user	(empty)	Field Name id user_id Startdate ptstatus	Data Type int int varchar varchar	date: xxxx-xx Value id number, identical user id date: xxxx-xx, some are 0000-00-00 Active or aw	primary multiple
able latabase	suth_user ro_research1	(empty)	Field Name id user_id Startdate ptstatus	Data Type int int varchar varchar	date: xxxx-xx Value id number, identical user id date: xxxx-xx, some are 0000-00-00 Active or aw	primary multiple
able latabase	suth_user ro_research1	(empty)	Field Name id user_id Startdate ptstatus	Data Type int int varchar varchar	date: xxxx-xx Value id number, identical user id date: xxxx-xx, some are 0000-00-00 Active or aw	primary multiple
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able database able	ro_research1 track_entity	(empty)	Field Name id user_id Startdate ptstatus Field Name	Varchar Data Type int int varchar varchar Data Type	date: xxxx-xx Value id number, identical user id date: xxx-xx, some are 0000-00-00 Active or aw Value	primary multiple notes
able database able database	ro_research1 track_entity ro_research1	(empty)	Field Name id user_id Startdate ptstatus Field Name	Data Type int int varchar varchar Data Type Data Type	date: xxxx-xx Value id number, identical user id date: xxx-xx, some are 0000-00-00 Active or aw Value	primary multiple notes
database database database	ro_research1 track_entity	(empty)	field Name id user_id startdate ptstatus Field Name Field Name	Data Type int int varchar varchar Data Type Data Type int	date: xxxx-xx Value id number, identical user id date: xxx-xx, some are 0000-00-00 Active or aw Value Value user id(?)	notes notes primary
database database database	ro_research1 track_entity ro_research1	(empty)	Field Name id user_id Startdate ptstatus Field Name Field Name uid langcode	Data Type int varchar Data Type Data Type Data Type int varchar	date: xxxx-xx Value id number, identical user id date: xxx-xx, some are 0000-00-00 Active or aw Value Value user id(?) "en"	notes notes primary primary
database database database database database	ro_research1 track_entity ro_research1	(empty)	Field Name id user_id startdate ptstatus Field Name Field Name uid langcode name	Data Type int varchar Data Type Data Type Int varchar Data Type int varchar	date: xxxx-xx Value id number, identical user id date: xxx-xx, some are 0000-00-00 Active or aw Value Value user id(?) "en" long series containing number and letters	notes notes primary multiple
database database database	ro_research1 track_entity ro_research1	(empty)	Field Name id user_id Startdate ptstatus Field Name Field Name uid langcode	Data Type int varchar Data Type Data Type Data Type int varchar	date: xxxx-xx Value id number, identical user id date: xxx-xx, some are 0000-00-00 Active or aw Value Value user id(?) "en"	notes notes primary primary