Answers to the questions in hands-on training session 4

Task 1	`SELECT *`
	`FROM cfpb_complaints_2500`
	`WHERE Data_received IN ('2012-01-01', '2012-02-01', '2012-03-01','2012-04-01','2012-05-01')`

Task 2	`SELECT *`
	`FROM cfpb_complaints_2500`
	`WHERE Company = 'Bank of America' AND Issue LIKE '%ATM%'`

Task 3	`SELECT *`
	`FROM cfpb_complaints_2500`
	`WHERE Company = 'Bank of America' AND (Issue LIKE '%ATM%' OR Issue LIKE '%theft%')`
	
	Or
	
	`SELECT *`
	`FROM cfpb_complaints_2500`
	`WHERE Company = 'Bank of America' AND Issue regexp 'ATM|theft'`

Task 4	`SELECT Company, COUNT(*) AS freq`
	`FROM cfpb_complaints_2500`
	`WHERE Issue LIKE '%ATM%'`
	`GROUP BY Company`
	`ORDER BY freq DESC`
	`LIMIT 3`

Task 5	`SELECT *`
	`FROM cfpb_complaints_2500`
	`WHERE Issue like '_____'`

Task 6	`SELECT *`
	`FROM cfpb_complaints_2500`
	`WHERE Issue regexp 'loan|saving|credit'`

Task 7	`SELECT distinct Company` `FROM cfpb_complaints_2500`

| Task 8 | ```sql
SELECT Product, count(*)
FROM cfpb_complaints_2500
GROUP BY Product
``` |
| Task 9 | ```sql
SELECT Submitted_via, count(*)
FROM cfpb_complaints_2500
GROUP BY Submitted_via
``` |
| Task 10 | ```sql
SELECT left(Issue, 5), right(Issue,5)
FROM cfpb_complaints_2500
``` |
| Task 11 | ```sql
SELECT SUBSTRING_INDEX(Issue, ' ', -2) AS Issue
FROM cfpb_complaints_2500
``` |
| Task 12 | ```sql
SELECT
REPLACE(Issue, 'fee', 'cost') AS Issue
FROM cfpb_complaints_2500
WHERE Issue LIKE '%fee%'
``` |
| Task 13 | ```sql
select title, length(title) - length(replace(title, ' ', '')) + 1 as number_of_words from
tripadvisor_data_for_handson_assignment_ONLY
``` |
| Task 14 | ```sql
select * from tripadvisor_data_for_handson_assignment_ONLY where title regexp 'être|avoir| je
| de '
``` |
| Task 15 | ```sql
select substring_index(Consumer_comment,'.',1) as sen1,
substring_index( substring_index(Consumer_comment,'.',2),'.',-1) as sen2,
substring_index(Consumer_comment,'.',-2) as sen3 from Con_comment


create table Comment_sentence as (select substring_index(Consumer_comment,'.',1) as sen1,
substring_index( substring_index(Consumer_comment,'.',2),'.',-1) as sen2,
substring_index(Consumer_comment,'.',-2) as sen3 from Con_comment
)
``` |

Task 16	• **select** title, **count**(*) **from** tripadvisor_data_for_handson_assignment_ONLY **group by** title **order by count**(*) **desc**
	• **select binary** title, **count**(*) **from** tripadvisor_data_for_handson_assignment_ONLY **group by binary** title **order by count**(*) **desc**
	• **select BINARY replace**(**replace**(title, '!', ''), '.', ''), **count**(*) fre **from** tripadvisor_data_for_handson_assignment_ONLY **group by BINARY replace**(**replace**(title, '!', ''), '.', '') **order by** fre **desc**;
	• **select SUBSTRING_INDEX**(title, ' ', -1), **count**(*) **from** tripadvisor_data_for_handson_assignment_ONLY **where** (**length**(title) - **length**(**replace**(title, ' ', ''))) > 0 **group by SUBSTRING_INDEX**(title, ' ', -1) **order by count**(*) **desc**