Note: Consider following tables for interview questions.

Table Name - Employee

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| EMPLOYEE\_ID | FIRST\_NAME | LAST\_NAME | SALARY | JOINING\_DATE | DEPARTMENT\_ID |
| 1 | Michel | Clarke | 1000000 | 01-JAN-14 11.00.00 AM | 1 |
| 2 | Ricky | Pointing | 800000 | 05-JAN-14 11.00.00 AM | 2 |
| 3 | Lasith | Malinga | 700000 | 05-FEB-14 11.00.00 AM | 3 |
| 4 | Michael | Hussey | 600000 | 03-APR-14 11.00.00 AM | 1 |
| 5 | Lendly | Simmons | 650000 | 15-JUNE-14 11.00.00 AM | 2 |
| 6 | Jack | Thoms | 700000 | 04-AUG-14 11.00.00 AM | 4 |
| 7 | Martin | Philipose | 650000 | 02-SEP-14 11.00.00 AM | 4 |
| 8 | Neil | Johnson | 600000 | 03-NOV-14 11.00.00 AM | 3 |

Table Name – Department

|  |  |
| --- | --- |
| DEPARTMENT\_ID | DEPARTMENT\_NAME |
| 1 | Programming |
| 2 | Billing |
| 3 | Testing |
| 4 | Sales |
| 5 | Designing |

Table Name – Incentives

|  |  |  |
| --- | --- | --- |
| EMPLOYEE\_REF\_ID | INCENTIVE\_DATE | INCENTIVE\_AMOUNT |
| 1 | 01-APR-14 | 5000 |
| 2 | 01-APR-14 | 3000 |
| 3 | 01-MAY-14 | 6000 |
| 1 | 01-AUG-14 | 10000 |
| 2 | 01-NOV-14 | 4000 |

1. Get all employee details from employee table.  
     
     
   => Select \* from Employee;
2. Get first name from employee table in upper case.  
     
     
   => Select UCASE(FIRST\_NAME) as FirstName from Employee;
3. Get maximum salaries from each department.  
     
     
   => Select DEPARTMENT\_ID, MAX(SALARY) from Employee order by DEPARTMENT\_ID;
4. Get 2nd highest salary from employee table.  
     
   => Select MAX(SALARY) from Employee where SALARY < (Select MAX(SALARY) from Employee);
5. Get all employee details who salary is 3rd highest in the company.  
     
     
   => select min(SALARY) from (select \* from Employee order by SALARY desc limit 3)a;

1. Get first name from employee table after removing white space from left side.  
     
     
   => Select LTRIM(FIRST\_NAME) from Employee;
2. Get employee details from employee table those first name length is greater than 10.  
     
     
     
   => Select \* from Employee where length(FIRST\_NAME) > 10 ;
3. Get first name from employee table after replacing ‘c’ with ‘o’.  
     
     
     
   => Select Replace(FIRST\_NAME,”c”,”o”) from Employee;
4. Get first name, Joining year, Joining Month, and joining date from employee table.  
     
     
    => select year(joining\_date),month(joining\_date), Day(joining\_date) from Employee;
5. Write down query which will alter the employee table engine from MySAM to INNODB.

=> ALTER TABLE table\_name ENGINE=INNODB;

1. Write down Stored procedure to calculate Square Root of input parameter.
2. Get department name and department wise average salary from employee and department table order by salary ascending?  
     
     
     
   => select DEPARTMENT\_NAME, AVG(SALARY) from Employ ee A inner join Department D on A.EMPLOYEE\_ID=D.EMPLOYEE\_ID group by Department order by AVG(SALARY) asc;

1. Select first\_name, incentive amount from employee and incentives table for all employees even if they didn't get incentives and set incentive amount as 0 for those employees who didn't get incentives.­  
     
     
   => Select FIRST\_NAME, IFNULL(INCENTIVE\_AMOUNT,0) from Employee A left join Incentives B on A.EMPLOYEE\_ID=B.EMPLOYEE\_REF\_ID;
2. Select First name, last name from employee table as separate rows.  
     
     
   Select FIRST\_NAME from Employee union Select LAST\_NAME from Employee;
3. Write syntax to drop primary key on employee table

=> ALTER TABLE Employee DROP PRIMARY KEY;