**1.** Write a query to find the addresses (location\_id, street\_address, city, state\_province, country\_name) of all the departments.

ANS-[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) L.LOCATION\_ID, L.STREET\_ADDRESS, L.CITY, L.STATE\_PROVINCE, C.COUNTRY\_NAME FROM locations AS L, countries AS C WHERE L.COUNTRY\_ID = C.COUNTRY\_ID

**2.** Write a query to find the name (first\_name, last name), department ID and name of all the employees.

ANS-[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) E.first\_name, E.last\_name, D.DEPARTMENT\_ID, D.DEPARTMENT\_NAME FROM `employees` AS E INNER JOIN departments AS D ON E.Department\_id = D.DEPARTMENT\_ID

**3.** Write a query to find the name (first\_name, last\_name), job, department ID and name of the employees who works in London.

ANS-[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) E.FIRST\_NAME, E.LAST\_NAME, E.JOB\_ID, D.DEPARTMENT\_ID, D.DEPARTMENT\_NAME FROM employees AS E INNER JOIN departments AS D ON E.DEPARTMENT\_ID = D.DEPARTMENT\_ID WHERE D.LOCATION\_ID = ([SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) Location\_id FROM locations WHERE locations.city = 'London')

**4.** Write a query to find the employee id, name (last\_name) along with their manager\_id and name (last\_name).

ANS-

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) E.EMPLOYEE\_ID, CONCAT(E.FIRST\_NAME,' ',E.LAST\_NAME) AS Name, M.MANAGER\_ID, M.LAST\_NAME FROM employees AS E INNER JOIN employees AS M ON E.MANAGER\_ID = M.EMPLOYEE\_ID

**5.** Write a query to find the name (first\_name, last\_name) and hire date of the employees who was hired after 'Jones'.

ANS-[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) E.FIRST\_NAME, E.LAST\_NAME, E.HIRE\_DATE, M.HIRE\_DATE FROM employees AS E INNER JOIN employees AS M ON M.LAST\_NAME = 'Jones' WHERE E.HIRE\_DATE > M.HIRE\_DATE

**6.** Write a query to get the department name and number of employees in the department.

ANS-[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) D.DEPARTMENT\_NAME, [COUNT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_count)(\*) FROM employees AS E INNER JOIN departments AS D ON E.DEPARTMENT\_ID = d.DEPARTMENT\_ID GROUP BY DEPARTMENT\_NAME

**7.** Write a query to find the employee ID, job title, number of days between ending date and starting date for all jobs in department 90.

ANS-[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) JH.EMPLOYEE\_ID,J.Job\_title, (JH.END\_DATE - JH.START\_DATE) AS DAYS, JH.DEPARTMENT\_ID FROM jobs AS J INNER JOIN job\_history AS JH ON J.JOB\_ID = JH.JOB\_ID WHERE DEPARTMENT\_ID = 90

**8.** Write a query to display the department ID and name and first name of manager.

ANS-

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) D.DEPARTMENT\_ID, D.DEPARTMENT\_NAME, D.MANAGER\_ID, E.FIRST\_NAME FROM departments AS D INNER JOIN employees AS E ON D.MANAGER\_ID = E.EMPLOYEE\_ID

**9.** Write a query to display the department name, manager name, and city.

ANS-

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) D.DEPARTMENT\_NAME, E.FIRST\_NAME, L.CITY FROM departments AS D INNER JOIN employees AS E ON D.MANAGER\_ID = E.EMPLOYEE\_ID INNER JOIN locations AS L ON D.LOCATION\_ID = L.LOCATION\_ID

**10.** Write a query to display the job title and average salary of employees.

ANS-

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) DISTINCT(J.JOB\_TITLE), ROUND([AVG](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_avg)(E.SALARY),0) AS 'AVG SALARY' FROM `jobs` AS J INNER JOIN employees AS E ON J.JOB\_ID = E.JOB\_ID GROUP BY JOB\_TITLE

**11.** Write a query to display job title, employee name, and the difference between salary of the employee and minimum salary for the job.

ANS-

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) J.JOB\_TITLE, E.FIRST\_NAME, (E.SALARY - J.MIN\_SALARY) AS 'SALARY DIFFERENCE' FROM employees AS E NATURAL JOIN jobs AS J

**12.** Write a query to display the job history that were done by any employee who is currently drawing more than 10000 of salary.

ANS-

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) JH.\*, E.SALARY FROM job\_history AS JH INNER JOIN employees AS E ON JH.EMPLOYEE\_ID = E.EMPLOYEE\_ID WHERE SALARY > 10000

**13.** Write a query to display department name, name (first\_name, last\_name), hire date, salary of the manager for all managers whose experience is more than 15 years.

ANS-

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) E.FIRST\_NAME, E.LAST\_NAME, E.HIRE\_DATE, E.SALARY, (DATEDIFF(NOW(), HIRE\_DATE))/365 AS EXPERIENCE FROM `employees` AS E INNER JOIN DEPARTMENTS AS D ON E.EMPLOYEE\_ID = D.MANAGER\_ID WHERE (DATEDIFF(NOW(), HIRE\_DATE))/365 > 15