1. Create table EMPLOYEE with the following details.

Create table employee(employee_id int(6), last_name varchar(25),job_id varchar(10),salary int(8),comm_pct int(4),mer_id int(6),department_id int(4));

2. Insert the following data into EMPLOYEE table

Insert into employee(employee_id, last_name, job_id, salary,mgr_id, department_id)values(198,'Connell','SH_CLERK',2600,2.5,124,50);

Insert into employee(employee_id, last_name, job_id, salary,mgr_id, department_id)values(199,'Grant','SH_CLERK',2600,2.2,124,50);

Insert into employee(employee_id, last_name, job_id, salary,mgr_id, department_id)values(200,'Whalen','AD_ASST',4400,1.3,101,10);

Insert into employee(employee_id, last_name, job_id, salary,mgr_id, department_id)values(201,'Hartstein','IT_PROG',6000,100,20);

Insert into employee(employee_id, last_name, job_id, salary,mgr_id, department_id) values(202,'Fay','AC_MGR',6500,210,20),(203,'Mavris','AD_VP',7500,101,40);

Insert into employee values(204,'Baer','AD_PRES',3500,1.5,101,90);

Insert into employee(employee_id, last_name, job_id, salary,mgr_id, department_id) values(205,'Higgins','AC_MGR',2300,101,60),(206,'Gitz','IT_PROG',5000,103,60);

Insert into employee values(100,'King','AD_ASST',8956,0.3,108,100);

Insert into employee values(101,'Kochar','SH_CLERK',3400,1.3,118,30);

3.Display last_name, job_id, employee_id for each employee with employee_id appearing first.

Select employee_id, last_name, job_id from employee;

employee_id	last_name	job_id
198	Connell	SH_CLERK
199	Grant	SH_CLERK
200	Whalen	AD_ASST
201	Hartstein	IT_PROG
202	Fay	AC_MGR

| 203 | Mavris | AD_VP |

| 204 | Baer | AD_PRES |

| 205 | Higgins | AC_MGR |

| 206 | Gitz | IT_PROG |

| 100 | King | AD_ASST |

| 101 | Kochar | SH_CLERK |

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4. Display the details of all employees of department 60.

Mysql> select * from employee where department_id=60;

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| employee_id | last_name | job_id | salary | comm_pct | mer_id | department_id |

+----------+----------+---------+--------+----------+--------+--------------+

| 205 | Higgins | AC_MGR | 2300 | NULL | 101 | 60 |

| 206 | Gitz | IT_PROG | 5000 | NULL | 103 | 60 |

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5. Display the employee details of the employee who's last_name is Kin

Mysql> select * from employee where last_name='King';

+----------+----------+---------+--------+----------+--------+--------------+

| employee_id | last_name | job_id | salary | comm_pct | mer_id | department_id |

+----------+----------+---------+--------+----------+--------+--------------+

| 100 | King | AD_ASST | 8956 | 0 | 108 | 100 |

+----------+----------+---------+--------+----------+--------+--------------+

6. Display unique job_id from EMPLOYEE table. Give alias name to the column as JOB_TITLE.

Select distinct(job_id) as JOB_TITLE from employee;

| JOB_TITLE |

| SH_CLERK |

| AD_ASST |

| IT_PROG |

| AC_MGR |

| AD_VP |

| AD_PRES |

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7. Display last_name, salary and salary increase of Rs300. Give the new column name as 'Increased Salary'.

Select last_name, salary, (salary+300) as Increased_Salary from employee;

last_name	salary	Increased_Salary
Connell	2600.00	2900.00
Grant	2600.00	2900.00
Whalen	4400.00	4700.00
Hartstein	6000.00	6300.00
Fay	6500.00	6800.00
Mavris	7500.00	7800.00
Baer	3500.00	3800.00
Higgins	2300.00	2600.00
Gitz	5000.00	5300.00
King	8956.00	9256.00
Kochar	3400.00	3700.00

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8. Display last_name, salary and annual compensation of all employees, plus a onetime bonus of Rs 100. Give an alias name to the column displaying annual compensation.

Select last_name, salary, ((salary*12)+100) as annual_compensation from employee;

last_name	salary	annual_compensation
Connell	2600.00	31300.00
Grant	2600.00	31300.00
Whalen	4400.00	52900.00
Hartstein	6000.00	72100.00
Fay	6500.00	78100.00
Mavris	7500.00	90100.00
Baer	3500.00	42100.00
Higgins	2300.00	27700.00
Gitz	5000.00	60100.00
King	8956.00	107572.00
Kochar	3400.00	40900.00

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9. Display the details of those employees who get commission.

Select * from employee where comm_pct is NOT NULL;

employee_id	last_name	job_id	salary	comm_pct	mer_id	department_id
198	Connell	SH_CLERK	2600.00	2.50	124	50
199	Grant	SH_CLERK	2600.00	2.20	124	50
200	Whalen	AD_ASST	4400.00	1.30	101	10
204	Baer	AD_PRES	3500.00	1.50	101	90
100	King	AD_ASST	8956.00	0.30	108	100
101	Kochar	SH_CLERK	3400.00	1.30	118	30

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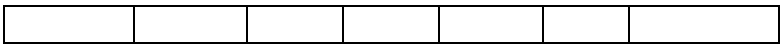
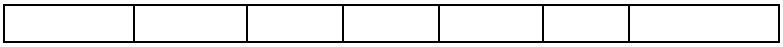
10. Display the details of those employees who do not get commission.

Select * from employee where comm_pct is NULL;



| employee_id | last_name | job_id | salary | comm_pct | mer_id | department_id |



| 201 | Hartstein | IT_PROG | 6000.00 | NULL | 100 | 20 |

| 202 | Fay | AC_MGR | 6500.00 | NULL | 210 | 20 |

| 203 | Mavris | AD_VP | 7500.00 | NULL | 101 | 40 |

| 205 | Higgins | AC_MGR | 2300.00 | NULL | 101 | 60 |

| 206 | Gitz | IT_PROG | 5000.00 | NULL | 103 | 60 |

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11. Display the Employee_id, Department_id and Salary all employees whose salary is greater than 5000.

Mysql> select employee_id,department_id,salary from employee where salary>5000;

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| employee_id | department_id | salary |

+----------+---------------+--------+

| 201 | 20 | 6000 |

| 202 | 20 | 6500 |

| 203 | 40 | 7500 |

| 100 | 100 | 8956 |

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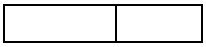
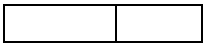
12. Display the Last_Name and Salary of all employees whose salary is between 4000 and 7000.

Mysql> select last_name, salary from employee where salary between 4000 and 7000;



| last_name | salary |



| Whalen | 4400 |

| Hartstein | 6000 |

| Fay | 6500 |

| Gitz | 5000 |

13. Display the details of all employees whose salary is either 6000 or 6500 or 7000.

Mysql> select * from employee where salary=6000 or salary=6500 or salary=7000;

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| employee_id | last_name | job_id | salary | comm_pct | mer_id | department_id

+-------------+-----------+---------+--------+----------+--------+--------------+-----------------+

| 201 | Hartstein | IT_PROG | 6000 | NULL | 100 | 20 |

| 202 | Fay | AC_MGR | 6500 | NULL | 210 | 20 |

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14. Display the details of all those employees who work either in department 10 or 20 or 30 or 50.

Mysql> select * from employee where department_id IN (10,20,30,50);

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| employee_id | last_name | job_id | salary | comm_pct | mer_id | department_id | increased_salary

+-------------+-----------+----------+--------+----------+--------+--------------+-----------------+--------------------+

| 198 | Connell | SH_CLERK | 2600 | 3 | 124 | 50 | 2900 |

| 199 | Grant | SH_CLERK | 2600 | 3 | 124 | 50 | 2900 |

| 200 | Whalen | AD_ASST | 4400 | 1 | 101 | 10 | 4700 |

| 201 | Hartstein | IT_PROG | 6000 | NULL | 100 | 20 | 6300 |

| 202 | Fay | AC_MGR | 6500 | NULL | 210 | 20 | 6800 |

| 101 | Kochar | SH_CLERK | 3400 | 1 | 118 | 30 | 3700 |

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15. Display the details of all employees whose salary is not equal to 5000.

Select * from employee where salary!=5000;

employee_id	last_name	job_id	salary	comm_pct	mgr_id	department_id
198	Connell	SH_CLERK	2600.00	2.50	124	50
199	Grant	SH_CLERK	2600.00	2.20	124	50
200	Whalen	AD_ASST	4400.00	1.30	101	10
201	Hartstein	IT_PROG	6000.00	NULL	100	20
202	Fay	AC_MGR	6500.00	NULL	210	20
203	Mavris	AD_VP	7500.00	NULL	101	40
204	Baer	AD_PRES	3500.00	1.50	101	90
205	Higgins	AC_MGR	2300.00	NULL	101	60
100	King	AD_ASST	8956.00	0.30	108	100
101	Kochar	SH_CLERK	3400.00	1.30	118	30

16. Display the details of all the CLERKS working in the organization.

Mysql> select * from employee where job_id like('%CLERK');

employee_id	last_name	job_id	salary	comm_pct	mer_id	department_id	increased_salary
198	Connell	SH_CLERK	2600	3	124	50	2900
199	Grant	SH_CLERK	2600	3	124	50	2900
101	Kochar	SH_CLERK	3400	1	118	30	3700

17. Update the job_id's of the employees who earn more than 5000 to Grade_A. Display the tableMysql> update employee set job_id='Grade_A' where salary>5000;

Mysql> select * from employee;

| employee_id | last_name | job_id | salary | comm_pct | mer_id | department_id | increased_salary

+-------------+-----------+----------+--------+----------+--------+---------------+-----------------+--------------------+

| 198 | Connell | SH_CLERK | 2600 | 3 | 124 | 50 | 2900 |

| 199 | Grant | SH_CLERK | 2600 | 3 | 124 | 50 | 2900 |

| 200 | Whalen | AD_ASST | 4400 | 1 | 101 | 10 | 4700 |

| 201 | Hartstein | Grade_A | 6000 | NULL | 100 | 20 | 6300 |

| 202 | Fay | Grade_A | 6500 | NULL | 210 | 20 | 6800 |

| 203 | Mavris | Grade_A | 7500 | NULL | 101 | 40 | 7800 |

| 204 | Baer | AD_PRES | 3500 | 2 | 101 | 90 | 3800 |

| 205 | Higgins | AC_MGR | 2300 | NULL | 101 | 60 | 2600 |

| 206 | Gitz | IT_PROG | 5000 | NULL | 103 | 60 | 5300 |

| 100 | King | Grade_A | 8956 | 0 | 108 | 100 | 9256 |

| 101 | Kochar | SH_CLERK | 3400 | 1 | 118 | 30 | 3700 |

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18. Display the details of all those employees who are either CLERK or PROGRAMMER or ASSISTANT

Mysql> select * from employee where job_id IN('SH_CLERK', 'IT_PROG','AD_ASST');

+-------------+-----------+----------+--------+----------+--------+---------------+-----------------+--------------------+

| employee_id | last_name | job_id | salary | comm_pct | mer_id | department_id | increased_salary

+-------------+-----------+----------+--------+----------+--------+---------------+-----------------+--------------------+

| 198 | Connell | SH_CLERK | 2600 | 3 | 124 | 50 | 2900 |

| 199 | Grant | SH_CLERK | 2600 | 3 | 124 | 50 | 2900 |

| 200 | Whalen | AD_ASST | 4400 | 1 | 101 | 10 | 4700 |

| 206 | Gitz | IT_PROG | 5000 | NULL | 103 | 60 | 5300 |

| 101 | Kochar | SH_CLERK | 3400 | 1 | 118 | 30 | 3700 |

+-------------+-----------+----------+--------+----------+--------+---------------+-----------------+--------------------+

19. Display those employees from the EMPLOYEE table whose designation is CLERK and salary is less than 3000.

Mysql> select * from employee where job_id='SH_CLERK' and salary<3000;

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| employee_id | last_name | job_id | salary | comm_pct | mer_id | department_id | increased_salary | annual_compensation |

+-------------+-----------+----------+--------+----------+--------+---------------+-----------------+---------------------+

| 198 | Connell | SH_CLERK | 2600 | 3 | 124 | 50 | 2900 | 2700 |

| 199 | Grant | SH_CLERK | 2600 | 3 | 124 | 50 | 2900 | 2700 |

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20. Display those employees Last_Name, Mgr_id from the EMPLOYEE table whose salary is above 3000 and work under Manager 101.

Mysql> select last_name,mer_id from employee where salary>3000 and mer_id=101;

| last_name | mer_id |

| Whalen | 101 |

| Mavris | 101 |

| Baer | 101 |

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