List the department table:

• select * from dept;

Another way

• select deptcode,deptname,budget from dept;

List all department code with the names of their departments

•select deptcode,deptname from dept;

list all department names:

•select deptname from dept;

list all department names using distinct

•select distinct deptname from dept;

List all employees of the accounts department

•select empname,deptcode from emp where deptcode='ACCT';

List all officers

•select empname,gradecode from emp where gradecode='GC6';

List the employees with their department name

•select empname,deptname from emp,dept where emp.deptcode=dept.deptcode;

list the employees with their department code and department name

•select empname,deptname,dept.deptcode from emp,dept where emp.deptcode=dept.deptcode;

list all young employees

•select empname,birthdate from emp where birthdate > '1980-01-01';

List employees of admin departments

•select empname,deptcode from emp where deptcode in ('ACCT','PRCH','PERS');

List employees of non-admin departments

•select empname,deptcode from emp where deptcode not in ('ACCT','PRCH','PERS');

List staff between certain age

•select empname,birthdate from emp where birthdate between '1982-12-31' and '1992-12-31';

List all employees with UMA in their names

•select empname from emp where upper(empname) like '%UMA%';

List the employees who have not been assigned to any supervisor

•select empname,supcode from emp where supcode is null;

list the female employees who have just completed 5 years

•select empname,sex,joindate from emp where sex='F' and joindate between(current_date-5*365) and (current_date-6*365);

List female employees who are either 50 years or more or have more than 20 years experience:

•select empname from emp where birthdate<(current_date-50*365) or joindate<(current_date-20*365) and sex='F';

list salesmen who are either 50 years or more or have more than 20 years experience

•select empname from emp where desigcode='SLMN' and (birthdate<(current_date-50*365) or joindate<(current_date-20*365));

List 1% of take-home pay of all employees:

• select empcode,(basic + allow-deduct)* 0.01 from salary where salmonth='2012-01-02';

List the present age of all employees

•select empname,timestampdiff(year,birthdate,curdate()) as age from emp;

List the employees with the highest salary

•select empname,basicpay from emp where basicpay >= all(select basicpay from emp);

List all the employees not having the highest salary

•select empname from emp where basicpay < any(select basicpay from emp);

List the employees working for 'accounts' or 'purchase' departments:

•select empname from emp where deptcode='ACCT' union select empname from emp where deptcode='PRCH';

List the employees working for 'accounts' and 'purchase' departments:

•select deptcode,empname from emp where deptcode in('ACCT','PRCH');

List the employees working for 'accounts' but not for 'purchase' department):

•select deptcode,empname from emp where deptcode='ACCT' and not 'PRCH';

LIst all employees ordered by age:

•select empname,timestampdiff(year,birthdate,curdate()) as age from emp order by birthdate;

List middle level staff according to seniority(List all according to age and seniority

•select empname, timestampdiff(year,birthdate,curdate()) as age, gradecode,gradelevel from emp order by gradecode desc,gradelevel desc;

Count employees reporting to singh:

•select count(*) from emp where supcode='7839';

Count employees reporting to singh:

•select count(*) from emp where supcode=(select empcode from emp where empname='singh');

List the number of staff reporting to each supervisor:

•select supcode,count(*) from emp group by supcode order by supcode;

List the total take-home pay during 96-97 for all employees;

•select empcode, sum(basic+allow-deduct) as pay from salary where salmonth between '2011-01-12' and '2012-01-12' group by empcode order by empcode;

List the maximum and minimum salaries in grades

•select gradecode,max(basic),min(basic) from grade group by gradecode order by gradecode;

List the number of staff reporting to each supervisor having more than 3 people working under them

•select supcode,count(*) from emp group by supcode having count(*)>3 order by supcode;

List the total take-home pay during 2011-2012 for all employees getting a total take-home-pay < rs.40000

•select empcode,sum(basic+allow-deduct)as pay from salary where salmonth between '2011-01-12' and '2012-01-12' group by empcode having sum(basic+allow-deduct)<40000 order by empcode;

List the maximum and minimum basic salary in each grade for grades for grades with start<rs.4000

•select gradecode,max(basic),min(basic) from grade group by gradecode having min(basic)<4000 order by gradecode;

List employees along with the names of their supervisors

•select e.empcode,e.empname,s.empcode,s.empname from emp e inner join emp s on e.supcode=s.empcode;

List employees along with their basic salary

•select empcode,empname,salary.basic from emp inner join salary using (empcode);

List employees along with their basic salary

•select empcode,empname,basic from emp natural join salary;

List employees along with the names of their supervisors

•select e.empcode,e.empname,s.empcode,s.empname from emp e inner join emp s on e.supcode=s.empcode;

LIst employees along with the names of their department for which they are working

• List employees along with the names of their department for which they are working. The

list should have all the departments listed

•select e.empname,d.deptcode from emp e right outer join dept d on e.deptcode = d.deptcode;

List employees along with the names of their department for which they are working. The

list should have all the departments listed

•select e.empname,d.deptcode from emp e right outer join dept d using (deptcode);

full outer join

•select e.empname,e.deptcode,d.deptcode from emp e left join dept d on e.deptcode=d.deptcode union all select e.empcode,e.deptcode,d.deptcode from emp e right join dept d on e.deptcode=d.deptcode where e.deptcode is not null;

List the number of officers reporting to each supervisor having more than 3 people

working under them.

•select supcode,count(*) from emp where gradecode < 10 and supcode in (select supcode from emp group by supcode having count(*)>3) group by supcode;

List employees who did not get any promotion since 1990

•select empcode,empname,deptcode from emp e where not exists (select * from history h where h.empcode=e.empcode and ate>= '1990-01-01');

List employees who get any promotion since 1990

•select empcode,empname,deptcode from emp e where exists (select * from history h where h.empcode=e.empcode and ate>= '1990-01-01');

List employees who did not get any promotion since 1990

•select empcode,empname,deptcode from emp where not exists(select * from history where emp.empcode = empcode and ate > '1990-01-01');

List the second highest salary

•select max(basic+allow-deduct)as takehome from salary where (basic+allow-deduct) not in (select max(basic+allow-deduct) from salary);

promote shah as salesman

•insert into grade values ('GC92','GL2','GC-12-GL-2',5000);

•insert into history values('7369','1996-07-01','SLMN','GC92','GL2',5000); (before this command do previous command to avoid error).

employ hussein as a temporary employee

•insert into emp (empcode,empname,birthdate,joindate,basicpay) values ('9123','Hussein','2000-01-02','2020-01-02',250);

update the salary table for the month

•insert into salary select empcode,current_date,basicpay,basicpay*1.5,basicpay*0.3 from emp;

delete employee record of kaul

•set foreign_key_checks=0;

•delete from emp where empcode='7934';

delete all employee records of filling department

•delete from emp where deptcode='FLNG';

delete the entire contents of salary table

•delete from salary;

promote gupta as manager(exports)

•insert into grade values ('4','GL2','GC-12-GL-2',15000);

•update emp set gradecode='4',desigcode='MNGR',basicpay=15000 where empcode='7654';

raise the budget by 25% for all the departments except facilities department

•update dept set budget=budget*1.25 where deptcode !='FACL';

create department table

•create table dept(deptcode varchar(15),deptname varchar(25) not null,deptmanager varchar(6),deptbudget integer not null,primary key(deptcode));

Create Employee table

• create table desig(desigcode varchar(15), designame varchar(15)),primary key(desigcode);

•create table emp(empcode varchar(15),empname varchar(30) not null, deptcode varchar(15),primary key(empcode),foreign key(deptcode) references dept(deptcode),birthdate date not null,joindate date not null,sex char(1) not null check(sex in('M','F')),desigcode char(4) not null ,supcode char(6),gradecode integer,basic integer,foreign key(desigcode) references

desig(desigcode),foreign key(supcode) references emp(empcode));

Create Grade table

•create table grade(gradecode integer not null,gradelevel integer not null,basic integer not null,primary key(gradecode,gradelevel));

create grade table

•create table gradenew like grade;

•create table gradenew1 as select * from grade;

•insert into gradenew1 select * from grade;

create table-auto increment

•create table contacts (contact_id integer not null auto_increment,last_name varchar(30) not null, first_name varchar(25),birthdate date,primary key(contact_id));

delete a table from the database

•drop table salary;

drop column 'basic' from grade

•alter table grade drop column basic;

add column 'gradeIncent' to grade

•alter table grade add column gradeIncent integer;

Increase the size of the field SupCode in Emp table

•alter table emp modify column supcode char(10);

default

•create table persons(id int not null,lastname varchar(255) not null,firstname varchar(255), age int, city varchar(255) default 'delhi');

unique

•create table persons(id int not null,lastname varchar(255) not null,firstname varchar(255), age int, unique(ID));

not null

create table persons(id int not null,lastname varchar(255) not null,firstname varchar(255) not null, age int);

check

•create table persons(id int not null,lastname varchar(255) not null,firstname varchar(255),age int,check(age>=18));

truncate

•truncate table salary;

create a view for employee-age

•create view empage(empcode,age) as (select empcode, timestampdiff(year,birthdate,curdate()) from emp);

create a view for employee-pay

•create view emppay(empcode,netpay,salmonth) as (select empcode,(basic+allow-deduct),salmonth from salary);

use of views

•select * from empage;

Create a view for displaying the number of employees in each department):

•create view deptempcount(deptcode,deptempcount) as (select deptcode,count(*) from emp group by deptcode);

Create a view for display the total number of employees of the organization:

•create view empcount(empcount) as (select count(*) as empcount from emp);

Display the percentage of employees in each department:

•select deptcode,(deptempcount/empcount)*100 from deptempcount,empcount order by deptcode;

Update the view for Employee-Pay definition:

•alter view emppay(empcode,netpay,salmonth) as (select empcode, (basic+allow-deduct)+1000,salmonth from salary);

delete the view employee-pay

•drop view emppay;