

--4

```
CREATE TABLE EMP(  
  Emp_no int PRIMARY KEY,  
  E_name varchar2(30),  
  dept_no int,  
  Dept_name varchar2(30),  
  Job_id int,  
  salary int  
);  
desc EMP;
```

---5

```
CREATE TABLE EMP(  
  Emp_no int PRIMARY KEY,  
  E_name varchar2(30),  
  salary int,  
  phno int  
);  
DROP TABLE EMP;  
INSERT INTO EMP (Emp_no,E_name,salary,phno) VALUES (1,'Siddharth',80000,8928866);
```

```
CREATE TABLE DEPT(  
  Dept_no int PRIMARY KEY,  
  E_no int,  
  D_name varchar2(30),  
  location varchar2(30),  
  CONSTRAINT fk_myemp foreign key(E_no) References EMP(Emp_no)
```

```
);
```

```
--6
```

```
CREATE TABLE STUDENT(  
Roll_no int PRIMARY KEY,  
stud_name varchar2(30),  
Percentage int check (Percentage>100)  
);
```

```
desc STUDENT;
```

```
--7
```

```
CREATE TABLE student(  
Roll_no int PRIMARY KEY,  
stud_name varchar2(30),  
Percentage int check (Percentage>100)  
);
```

```
desc student;
```

```
ALTER TABLE student  
ADD city varchar2(30);
```

```
--8
```

```
CREATE TABLE student(  
Roll_no int PRIMARY KEY,  
stud_name varchar2(30),  
Percentage int check (Percentage>100)  
);
```

```
desc student;

ALTER TABLE student

MODIFY stud_name varchar2(50);


--9

CREATE TABLE EMPLOYEE(

Emp_no int PRIMARY KEY,

E_name varchar2(30),

Dept_no int,

Dept_name varchar2(30),

Job_id int,

salary int,

hiredate date

);

insert into EMPLOYEE values

(1,'Siddharth',1,'programmers',100,50000,'16-JUN-2006');

insert into EMPLOYEE values

(2,'Aditya',1,'programmers',101,80000,'09-JAN-2006');

insert into EMPLOYEE values

(3,'SHREYAS',2,'sales',102,4000,'14-DEC-2007');

insert into EMPLOYEE values

(4,'SHRUSHTI',5,'production',103,50000,'12-JAN-2006');

insert into EMPLOYEE values

(5,'sanjana',1,'programmers',104,10000,'13-APR-2006');

select *from EMPLOYEE;


--10
```

```
DELETE FROM EMPLOYEE
```

```
where Emp_no=4;
```

```
select *from EMPLOYEE;
```

```
--11
```

```
DELETE FROM EMPLOYEE
```

```
where E_name='SHREYAS';
```

```
select * from EMPLOYEE;
```

```
--12
```

```
UPDATE EMPLOYEE
```

```
set salary=30000
```

```
where Dept_no=5;
```

```
select *from EMPLOYEE;
```

```
--13
```

```
insert into EMPLOYEE values
```

```
(1,'Siddharth',1,'programmers',100,50000,'16-JUN-2006');
```

```
insert into EMPLOYEE values
```

```
(2,'Aditya',1,'programmers',101,80000,'09-JAN-2006');
```

```
insert into EMPLOYEE values
```

```
(3,'SHREYAS',2,'sales',102,4000,'14-DEC-2007');
```

```
insert into EMPLOYEE values
```

```
(4,'SHRUSHTI',5,'marketing',103,20000,'12-JAN-2006');
```

```
insert into EMPLOYEE values
```

```
(5,'sanjana',1,'programmers',104,10000,'13-APR-2006');
```

```
select *from EMPLOYEE;
```

```
--14
```

```
insert into EMPLOYEE values
```

```
(1,'Siddharth',1,'programmers',100,50000,'16-JUN-2006');
```

```
insert into EMPLOYEE values
```

```
(2,'Aditya',1,'programmers',101,80000,'09-JAN-2006');
```

```
insert into EMPLOYEE values
```

```
(3,'SHREYAS',2,'sales',102,4000,'14-DEC-2007');
```

```
insert into EMPLOYEE values
```

```
(4,'SHRUSHTI',5,'marketing',103,20000,'12-JAN-2006');
```

```
insert into EMPLOYEE values
```

```
(5,'sanjana',1,'programmers',104,10000,'13-APR-2006');
```

```
select *from EMPLOYEE;
```

```
--15
```

```
UPDATE EMPLOYEE
```

```
set salary=40000
```

```
where Dept_name='sales';
```

```
select *from EMPLOYEE;
```

```
--16
```

```
select * from EMPLOYEE
```

```
where dept_name='production' AND salary>40000;
```

--17

```
select * from EMPLOYEE  
where dept_name='sales';
```

--18

```
CREATE TABLE EMP(  
Emp_no int PRIMARY KEY,  
E_name varchar2(30),  
salary int,  
phno int,  
dept_no int  
);  
  
DROP TABLE EMP;  
  
INSERT INTO EMP (Emp_no,E_name,salary,phno) VALUES (1,'Siddharth',80000,8928866);
```

```
CREATE TABLE DEPT(  
Dept_no int PRIMARY KEY,  
D_name varchar2(30),  
location varchar2(30),  
job_id int  
);  
  
DROP TABLE DEPT;
```

--19

```
insert into EMP values(1,'Siddharth',80000,8928867696,100);
```

```
insert into EMP values(2,'Aditya',60000,9321022733,100);  
insert into EMP values(3,'Sheryas',8000,9780283728,101);  
insert into EMP values(4,'Shrushti',90000,9898909821,102);  
insert into EMP values(5,'Sanjana',70000,8928867697,100);
```

```
select *from EMP;
```

```
insert into DEPT values(100,'programmers','kalyan',1000);  
insert into DEPT values(101,'programmers','kalyan',1001);  
insert into DEPT values(102,'sales','thane',1002);  
insert into DEPT values(103,'marketing','mumbai',1003);  
insert into DEPT values(104,'production','kalyan',1004);
```

```
select *from DEPT;
```

```
--20
```

```
select *from EMP;  
select *from DEPT;
```

```
--21
```

```
UPDATE EMP  
set Dept_no=201  
where E_name='Sheryas';  
select *from EMP;
```

--22

DELETE FROM EMP

where dept_no=102;

select *from EMP;

--24

CREATE TABLE EMPLOYEE(

Emp_no int PRIMARY KEY,

E_name varchar2(30),

Dept_no int,

Dept_name varchar2(30),

Job_id int,

salary int,

hiredate date);

insert into EMPLOYEE values

(1,'Siddharth',1,'programmers',100,50000,'16-JUN-2006');

insert into EMPLOYEE values

(2,'Aditya',1,'programmers',101,80000,'09-JAN-2006');

insert into EMPLOYEE values

(3,'SHREYAS',2,'sales',102,4000,'14-DEC-2007');

insert into EMPLOYEE values

(4,'SHRUSHTI',5,'marketing',103,20000,'12-JAN-2006');

insert into EMPLOYEE values

(5,'sanjana',1,'programmers',104,10000,'13-APR-2006');

insert into EMPLOYEE values


```
(6,'Ashish',201,'marketing',103,20000,'12-JUN-2006');
```

```
select *from EMPLOYEE;
```

```
--25
```

```
select E_name,(salary*.20) as incremented_salary from EMPLOYEE;
```

```
--26
```

```
select E_name,Emp_no from EMPLOYEE where salary<=50000 AND salary>=25000;
```

```
--27
```

```
select * from EMPLOYEE
```

```
where salary>(select salary from EMPLOYEE where E_name='Ashish');
```

```
--28
```

```
select * from EMPLOYEE
```

```
where Dept_no <> 201;
```

```
--29
```

```
CREATE TABLE EMPLOYEE(
```

```
Emp_no int PRIMARY KEY,
E_name varchar2(30),
Dept_no int,
Dept_name varchar2(30),
Job_id int,
salary int,
hiredate date);

insert into EMPLOYEE values
(1,'Siddharth',1,'programmers',100,50000,'16-JUN-2006');

insert into EMPLOYEE values
(2,'Aditya',1,'programmers',101,80000,'09-JAN-2006');

insert into EMPLOYEE values
(3,'SHREYAS',2,'sales',102,4000,'14-DEC-2007');

insert into EMPLOYEE values
(4,'SHRUSHTI',5,'marketing',103,20000,'12-JAN-2006');

insert into EMPLOYEE values
(5,'sanjana',1,'programmers',104,10000,'13-APR-2006');

insert into EMPLOYEE values
(6,'Ashish',201,'marketing',103,20000,'12-JUN-2006');

insert into EMPLOYEE values
(102,'Harsh',201,'marketing',103,20000,'12-JUN-2006');

select *from EMPLOYEE;

CREATE TABLE DEPT(
Dept_no int ,
E_name varchar2(30),
location varchar2(30),
job_id int
```

```
);  
  
insert into DEPT values(100,'Siddharth','kalyan',1000);  
  
insert into DEPT values(101,'Aditya','kalyan',1001);  
  
insert into DEPT values(102,'SHREYAS','thane',1002);  
  
insert into DEPT values(103,'Ruchi','mumbai',1003);  
  
insert into DEPT values(104,'Darshan','asangaon',1004);  
  
insert into DEPT values(105,'Rachel','kurla',1005);  
  
select * from DEPT;
```

--30

```
select E_name from EMPLOYEE
```

UNION

```
select E_name from DEPT;
```

--31

```
select E_name from EMPLOYEE
```

INTERSECT

```
select E_name from DEPT;
```

--32

```
select E_name from EMPLOYEE
```

MINUS

```
select E_name from DEPT;
```

--33

```
select *from EMPLOYEE  
where Emp_no between 100 AND 200;
```

--34

```
select *from EMPLOYEE  
where E_name='SHREYAS';
```

--35

```
CREATE TABLE EMPLOYEE(  
Emp_no int PRIMARY KEY,  
E_name varchar2(30),  
Dept_no int,  
Dept_name varchar2(30),  
Job_id int,  
salary int,  
hiredate date);  
  
insert into EMPLOYEE values  
(1,'Siddharth',1,'programmers',100,50000,'16-JUN-2006');  
  
insert into EMPLOYEE values  
(2,'Aditya',1,'programmers',101,80000,'09-JAN-2006');  
  
insert into EMPLOYEE values  
(3,'SHREYAS',2,'sales',102,4000,'14-DEC-2007');  
  
insert into EMPLOYEE values  
(4,'SHRUSHTI',5,'marketing',103,20000,'12-JAN-2006');
```

```
insert into EMPLOYEE values  
(5,'sanjana',1,'programmers',104,10000,'13-APR-2006');
```

```
insert into EMPLOYEE values  
(6,'Ashish',201,'marketing',3,25000,'12-JUN-2006');
```

```
insert into EMPLOYEE values  
(102,'Harsh',201,'marketing',2,20000,'12-JUN-2006');
```

```
select *from EMPLOYEE;
```

```
CREATE TABLE DEPT(
```

```
Dept_no int ,
```

```
E_name varchar2(30),
```

```
location varchar2(30));
```

```
insert into DEPT values(100,'Siddharth','kalyan');
```

```
insert into DEPT values(101,'Aditya','kalyan');
```

```
insert into DEPT values(102,'SHREYAS','thane');
```

```
insert into DEPT values(103,'Ruchi','mumbai');
```

```
insert into DEPT values(104,'Darshan','asangaon');
```

```
insert into DEPT values(105,'Rachel','kurla');
```

```
select * from DEPT;
```

```
--36
```

```
select * from EMPLOYEE
```

```
where Job_id!=2;
```

```
--37
```

```
select * from EMPLOYEE
```

```
where E_name LIKE '_____';
```

--38

```
select * from EMPLOYEE  
  
WHERE Job_id != 2 AND Job_id != 3;
```

--39

```
select * from EMPLOYEE  
  
WHERE salary NOT BETWEEN 20000 AND 35000;
```

--40

```
select E_name from EMPLOYEE  
  
INTERSECT  
  
select E_name from DEPT;
```

--41

```
select E_name,(salary+(salary*.15)) as incremented_salary from EMPLOYEE where  
(salary+(salary*.15))>50000;
```

--42

```
select abs(-15) from dual;
```

--43

```
select exp(4) from dual;
```

--44

```
select power(4,2) from dual;
```

--45

```
select mod(10,3) from dual;
```

--46

```
select sqrt(16) from dual;
```

--47

```
select concat('SHREYAS','NBA') from dual;
```

--48

```
select ltrim('shreyasss','s') from dual;
```

--49

```
select rtrim('shreyasss','s')from dual;
```

--50

```
select lower('SALES')from dual;
```

--51

```
select sysdate from dual;
```

--52

```
select next_day(sysdate,'thur')from dual;
```

--53

```
select add_months(sysdate,2)from dual;
```

--54

```
select last_day(sysdate)from dual;
```

--55

```
select months_between(sysdate,hiredate)from EMPLOYEE;
```

--56

```
CREATE TABLE EMPLOYEE(
```

```
Emp_no int PRIMARY KEY,
```

```
E_name varchar2(30),
```

```
Dept_no int,
```

```
Dept_name varchar2(30),
```

```
Job_id int,
```

```
salary int,
```

```
hiredate date);
```

```
insert into EMPLOYEE values
```

```
(1,'Siddharth',1,'programmers',100,50000,'16-JUN-2006');
```

```
insert into EMPLOYEE values
```

```
(2,'Aditya',1,'programmers',101,80000,'09-JAN-2006');
```


insert into EMPLOYEE values

(3,'SHREYAS',2,'sales',102,4000,'14-DEC-2007');

insert into EMPLOYEE values

(4,'SHRUSHTI',5,'marketing',103,20000,'12-JAN-2006');

insert into EMPLOYEE values

(5,'sanjana',1,'programmers',104,10000,'13-APR-2006');

insert into EMPLOYEE values

(6,'Ashish',201,'marketing',3,25000,'12-JUN-2006');

insert into EMPLOYEE values

(102,'Harsh',201,'marketing',2,20000,'12-JUN-2006');

select *from EMPLOYEE;

--57

select max(salary) from EMPLOYEE;

select min(salary) from EMPLOYEE;

--58

select location from EMPLOYEE

where Dept_name='sales';

--59

create table emp(

Emp_no int primary key,

E_name varchar2(30),

```
salary int,  
deptno int,  
phno int  
);
```

```
insert into emp values(1,'Siddharth',80000,1,8928867696);  
insert into emp values(2,'Aditya',60000,2,9321022733);  
insert into emp values(3,'Sheryas',8000,1,9780283728);  
insert into emp values(4,'Shrushti',90000,3,9898909821);  
insert into emp values(5,'Sanjana',70000,4,8928867697);  
select * from emp;
```

```
create table Dept(  
deptno int,  
empno int,  
deptname varchar2(30),  
location varchar2(30),  
jobtype varchar2(30),  
constraint fk_empno foreign key(empno) references emp(Emp_no)  
);
```

```
insert into Dept values (1,1,'co','kalyan','teacher');  
insert into Dept values (2,2,'if','dadar','hod');  
insert into Dept values (3,1,'ej','mulund','ceo');  
insert into Dept values (4,3,'robotics','thane','principle');  
insert into Dept values (5,4,'ai','csmt','teacher');  
select * from Dept;
```

```
drop table dept;
```

```
--60
```

```
select * from Employee
```

```
order by E_name ASC;
```

```
--61
```

```
select min(salary),deptno from emp
```

```
group by deptno;
```

```
--62
```

```
create table emp(
```

```
Emp_no int primary key,
```

```
E_name varchar2(30),
```

```
salary int,
```

```
deptno int,
```

```
phno int
```

```
);
```

```
insert into emp values(1,'Siddharth',80000,1,8928867696);
```

```
insert into emp values(2,'Aditya',60000,2,9321022733);
```

```
insert into emp values(3,'Sheryas',8000,1,9780283728);  
insert into emp values(4,'Shrushti',90000,3,9898909821);  
insert into emp values(5,'Sanjana',70000,4,8928867697);  
select * from emp;
```

```
create table Dept(  
deptno int,  
empno int,  
deptname varchar2(30),  
location varchar2(30),  
jobtype varchar2(30),  
constraint fk_empno foreign key(empno) references emp(Emp_no)  
);
```

```
insert into Dept values (1,1,'co','kalyan','teacher');  
insert into Dept values (2,2,'if','dadar','hod');  
insert into Dept values (3,1,'ej','mulund','ceo');  
insert into Dept values (4,3,'robotics','thane','principle');  
insert into Dept values (5,4,'ai','csmt','teacher');  
select * from Dept;
```

--63

```
select deptno , min(Emp_no) AS lowest_paid_emp_id, min(E_name) AS lowest_paid_E_name,  
min(salary) AS lowest_salary  
from emp  
group by deptno;
```

--64

```
SELECT Emp_no, E_name,deptno, salary
```

```
FROM emp
```

```
WHERE salary > 60000;
```

--65

```
create view dept_view as select deptno,empno,deptname,location,jobtype from Dept;
```

```
select * from dept_view;
```

--66

```
drop view dept_view;
```

--67

```
DECLARE
```

```
x number;
```

```
BEGIN
```

```
for x in reverse 1..10 loop
```

```
dbms_output.put_line(x);
```

```
end loop;
```

```
END;
```

```
/
```

--68

```
create table emp(  
  Emp_no int primary key,  
  E_name varchar2(30),  
  salary int,  
  deptno int,  
  phno int  
);  
  
insert into emp values(1,'Siddharth',80000,1,8928867696);  
insert into emp values(2,'Aditya',60000,2,9321022733);  
insert into emp values(3,'Sheryas',8000,1,9780283728);  
insert into emp values(4,'Shrushti',90000,3,9898909821);  
insert into emp values(5,'Sanjana',70000,4,8928867697);  
  
select * from emp;
```

```
create table Dept(  
  deptno int,  
  empno int,  
  deptname varchar2(30),  
  location varchar2(30),  
  jobtype varchar2(30),  
  constraint fk_empno foreign key(empno) references emp(Emp_no)  
);
```

```
insert into Dept values (1,1,'co','kalyan','teacher');  
insert into Dept values (2,2,'if','dadar','hod');  
insert into Dept values (3,1,'ej','mulund','ceo');
```

```
insert into Dept values (4,3,'robotics','thane','principle');
```

```
insert into Dept values (5,4,'ai','csmt','teacher');
```

```
select * from Dept;
```

```
DECLARE
```

```
emp_id emp.Emp_no%TYPE;
```

```
emp_name emp.E_name%TYPE;
```

```
dept_id emp.deptno%TYPE;
```

```
CURSOR computer_dept_cursor IS
```

```
SELECT Emp_no, E_name, deptno
```

```
FROM emp
```

```
WHERE deptno = 'co';
```

```
BEGIN
```

```
OPEN computer_dept_cursor;
```

```
LOOP
```

```
FETCH computer_dept_cursor INTO emp_id, emp_name, dept_id;
```

```
EXIT WHEN computer_dept_cursor%NOTFOUND;
```

```
DBMS_OUTPUT.PUT_LINE('Employee ID: ' || emp_id || ', Employee Name: ' || emp_name || ',  
Department ID: ' || dept_id);
```

```
END LOOP;
```

```
CLOSE computer_dept_cursor;
```

```
END;
```

```
/
```

--69

DECLARE

no number;

fact number;

i number;

BEGIN

fact:=1;

no:=5;

i:=1;

while i<=no loop

fact := fact*i;

i:=i+1;

end loop;

dbms_output.put_line('FACTORIAL OF '||no||' IS: '||fact);

END;

/