Kaustubh Wade(160410116050)

PRACTICAL 2



**Q 1 Create the below given table and insert the data accordingly.**

SQL> create table job

1. (jobid varchar2(5),jobtitle varchar2(30),minsal number(7,2),maxsal number(7,2)); Table created.

SQL> create table employee

1. (empno number(3),empname varchar2(30),empsal number(8,2),empcomm number(6,1),
2. deptno number(3));

Table created.

SQL> create table deposit1

2 (ano varchar2(5),cname varchar(15),bname varchar2(10),amount number(7,2),adate date);

Table created.

SQL> create table borrow1

2 (loanno varchar2(5),cname varchar2(15),bname varchar2(20),amount number(7,2)); Table created.

SQL> insert into employee

1. values(&empno,'&empname',&empsal,&empcomm,&dept); Enter value for empno: 101

Enter value for empname: smith

Enter value for empsal: 800

Enter value for empcomm: NULL

Enter value for dept: 20

old 2: values(&empno,'&empname',&empsal,&empcomm,&dept)

new 2: values(101,'smith',800,NULL,20)

1 row created.

SQL> /

Enter value for empno: 102

Enter value for empname: snehal

Enter value for empsal: 1600

Enter value for empcomm: 300

Enter value for dept: 25

old 2: values(&empno,'&empname',&empsal,&empcomm,&dept)

new 2: values(102,'snehal',1600,300,25)

1 row created.

SQL> /

Enter value for empno: 103

Enter value for empname: adama

Enter value for empsal: 1100

Enter value for empcomm: 0

Enter value for dept: 20

old 2: values(&empno,'&empname',&empsal,&empcomm,&dept)

new 2: values(103,'adama',1100,0,20)

1 row created.

SQL> /

Enter value for empno: 104

Enter value for empname: aman

Enter value for empsal: 3000

Enter value for empcomm: NULL

Enter value for dept: 15

old 2: values(&empno,'&empname',&empsal,&empcomm,&dept)

new 2: values(104,'aman',3000,NULL,15)

1 row created.

SQL> /

Enter value for empno: 105

Enter value for empname: anita

Enter value for empsal: 5000

Enter value for empcomm: 50000

Enter value for dept: 10

old 2: values(&empno,'&empname',&empsal,&empcomm,&dept)

new 2: values(105,'anita',5000,50000,10)

1 row created.

SQL> /

Enter value for empno: 106

Enter value for empname: sneha

Enter value for empsal: 2450

Enter value for empcomm: 24500

Enter value for dept: 10

old 2: values(&empno,'&empname',&empsal,&empcomm,&dept)

new 2: values(106,'sneha',2450,24500,10)

1 row created.

SQL> /

Enter value for empno: 107

Enter value for empname: anamika

Enter value for empsal: 2975

Enter value for empcomm: NULL

Enter value for dept: 30

old 2: values(&empno,'&empname',&empsal,&empcomm,&dept)

new 2: values(107,'anamika',2975,NULL,30)

1 row created.

SQL> insert into job

1. values('&jobid','&jobname',&minsal,&maxsal); Enter value for jobid: itpro

Enter value for jobname: programmer

Enter value for minsal: 40000

Enter value for maxsal: 10000

old 2: values('&jobid','&jobname',&minsal,&maxsal)

new 2: values('itpro','programmer',40000,10000) 1 row created.

SQL> /

Enter value for jobid: mkmrg

Enter value for jobname: marketing manager

Enter value for minsal: 9000

Enter value for maxsal: 15000

old 2: values('&jobid','&jobname',&minsal,&maxsal)

new 2: values('mkmrg','marketing manager',9000,15000)

1 row created.

SQL> /

Enter value for jobid: fimrg

Enter value for jobname: finance manager

Enter value for minsal: 8200

Enter value for maxsal: 12000

old 2: values('&jobid','&jobname',&minsal,&maxsal)

new 2: values('fimrg','finance manager',8200,12000)

1 row created.

SQL> /

Enter value for jobid: fiacc

Enter value for jobname: account

Enter value for minsal: 4200

Enter value for maxsal: 9000

old 2: values('&jobid','&jobname',&minsal,&maxsal)

new 2: values('fiacc','account',4200,9000)

1 row created.

SQL> /

Enter value for jobid: lec

Enter value for jobname: lecturer

Enter value for minsal: 6000

Enter value for maxsal: 17000

old 2: values('&jobid','&jobname',&minsal,&maxsal)

new 2: values('lec','lecturer',6000,17000)

1 row created.

SQL> /

Enter value for jobid: comp

Enter value for jobname: computer operator

Enter value for minsal: 1500

Enter value for maxsal: 3000

old 2: values('&jobid','&jobname',&minsal,&maxsal)

new 2: values('comp','computer operator',1500,3000)

1 row created.

SQL> insert into deposit1

1. values(&ano,'&cname','&bname',&amount,'&adate'); Enter value for ano: 101

Enter value for cname: anil

Enter value for bname: andheri

Enter value for amount: 7000

Enter value for adate: 01-jan-2006

old 2: values(&ano,'&cname','&bname',&amount,'&adate')

new 2: values(101,'anil','andheri',7000,'01-jan-2006')

1 row created.

SQL> /

Enter value for ano: 102

Enter value for cname: sunil

Enter value for bname: virar

Enter value for amount: 6500

Enter value for adate: 15-jul-2006

old 2: values(&ano,'&cname','&bname',&amount,'&adate')

new 2: values(102,'sunil','virar',6500,'15-jul-2006')

1 row created.

SQL> /

Enter value for ano: 103

Enter value for cname: jay

Enter value for bname: villeparle

Enter value for amount: 6500

Enter value for adate: 12-mar-2006

old 2: values(&ano,'&cname','&bname',&amount,'&adate')

new 2: values(103,'jay','villeparle',6500,'12-mar-2006')

1 row created.

SQL> /

Enter value for ano: 104

Enter value for cname: vijay

Enter value for bname: andheri

Enter value for amount: 8000

Enter value for adate: 17-sep-2006

old 2: values(&ano,'&cname','&bname',&amount,'&adate')

new 2: values(104,'vijay','andheri',8000,'17-sep-2006')

1 row created.

SQL> /

Enter value for ano: 105

Enter value for cname: keyur

Enter value for bname: dadr

Enter value for amount: 7500

Enter value for adate: 19-nov-2006

old 2: values(&ano,'&cname','&bname',&amount,'&adate')

new 2: values(105,'keyur','dadr',7500,'19-nov-2006')

1 row created.

SQL> /

Enter value for ano: 106

Enter value for cname: mayur

Enter value for bname: borivalli

Enter value for amount: 5500

Enter value for adate: 21-dec-2006

old 2: values(&ano,'&cname','&bname',&amount,'&adate')

new 2: values(106,'mayur','borivalli',5500,'21-dec-2006')

1 row created.

**Query 1 Retrieve all data from employee, jobs and deposit.**

SQL> select \* from deposit1;

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ANO | CNAME | BNAME | | AMOUNT ADATE |
| ----- --------------- ---------- ---------- --------- | | | | |
| 101 | anil | andheri |  | 7000 01-JAN-06 |
| 102 | sunil | virar | 6500 15-JUL-06 | |
| 103 | jay | villeparle |  | 6500 12-MAR-06 |
| 104 | vijay | andheri |  | 8000 17-SEP-06 |
| 105 | keyur | dadr |  | 7500 19-NOV-06 |
| 106 | mayur | borivalli |  | 5500 21-DEC-06 |

6 rows selected.

SQL> select \* from job ;

|  |  |  |  |
| --- | --- | --- | --- |
| JOBID JOBTITLE | MINSAL MAXSAL | | |
| ----- ------------------------------ ---------- ---------- | | | |
| itpro programmer | 40000 | | 10000 |
| mkmrg marketing manager |  | 9000 15000 | |
| fimrg finance manager |  | 8200 | 12000 |
| fiacc account | 4200 | 9000 | |
| lec lecturer | 6000 | 17000 | |
| comp computer operator |  | 1500 | 3000 |

6 rows selected.

SQL> select \* from employee;

|  |  |  |  |
| --- | --- | --- | --- |
| EMPNO EMPNAME | EMPSAL | | EMPCOMM DEPTNO |
| ---------- ------------------------------ ---------- ---------- ---------- | | | |
| 101 smith | 800 |  | 20 |
| 102 snehal | 1600 | 300 | 25 |
| 103 adama | 1100 | 0 | 20 |
| 104 aman | 3000 |  | 15 |
| 105 anita | 5000 | 50000 | 10 |
| 106 sneha | 2450 | 24500 | 10 |
| 107 anamika | 2975 |  | 30 |

7 rows selected.

**Query 2 Give details of account no. and deposited rupees of customers having account opened between dates 01-01-06 and 25-07-06.**

SQL> select ano,amount from deposit1

2 where adate>'01-jan-06' and adate<'25-jul-06';

ANO AMOUNT

* ----------

1026500

1036500

**Query 3 Display all jobs with minimum salary is greater than 4000.**

SQL> select jobtitle from job

2 where minsal>4000;

JOBTITLE

------------------------------

programmer

marketing manager

finance manager

account

lecturer

**Query 4 Display name and salary of employee whose department no is 20. Give alias name to name of employee.**

SQL> select empname as "EMPLOYEE NAME",empsal from employee 2 where deptno=20;

EMPLOYEE NAME EMPSAL

------------------------------ ----------

smith 800

adama 1100

**Query 5 Display employee no,name and department details of those employee whose department lies in(10,20).**

SQL> select empno,empname,deptno from employee 2 where deptno>10 and deptno<20;

EMPNO EMPNAME DEPTNO

---------- ------------------------------ ----------

104 aman 15

**\* To study various options of LIKE predicate :**

**Query 1 Display all employee whose name start with ‘A’ and third character is ‘** **‘a’.**

SQL> SELECT EMPNAME FROM EMPLOYEE

2 WHERE EMPNAME LIKE 'a\_a%';

EMPNAME

------------------------------

adama

aman

anamika

**Query 2 Display name, number and salary of those employees whose name is 5 characters long and first three characters are ‘Ani’.**

SQL> select empname from employee

2 where empname like 'ani\_\_';

EMPNAME

------------------------------

Anita

**Query 3 Display the non-null values of employees and also employee name second character should be ‘n’ and string should be 5 character long.**

SQL> select empname from employee

2 where empname like '\_n\_\_\_';

EMPNAME

------------------------------

anita

sneha

**Query 4 Display the null values of employee and also employee name’s third character should be ‘a’.**

SQL> select empname from employee

2 where empcomm is not null;

EMPNAME

------------------------------

snehal

adama

anita

sneha

**Query 5 What will be output if you are giving LIKE predicate as ‘%\\_%’ ESCAPE ‘\’**

SQL> select \* from employee where empname like '%\\_%' escape '\';

no rows selected

SQL> commit;

Commit complete.