SQL> CREATE TABLE Staff\_Master( Staff\_Code number(6) NOT NULL,

2 staff\_name varchar2(50) NOT NULL,

3 design\_code number(3),

4 dept\_code number(3),

5 hiredate date,

6 staff\_dob date,

7 staff\_address varchar2(240),

8 mgr\_code number(8),

9 staff\_sal number(10,2));

Table created.

SQL> insert into staff\_master(staff\_code, staff\_name, design\_code, dept\_code, hiredate,staff\_dob,staff\_address,mgr\_code, staff\_sal)

2 values(1001,'Rahul',300,24,'02-JAN-2002','19-MAR-1977','Thane MUMBAI',10,15000.20);

1 row created.

SQL> insert into staff\_master(staff\_code, staff\_name, design\_code, dept\_code, hiredate,staff\_dob,staff\_address,mgr\_code, staff\_sal)

2 values(1002,'Deepak\_Singh',300,24,'25-OCT-2005','19-MAR-1982','New Delhi',10,15000.20);

1 row created.

SQL> insert into staff\_master(staff\_code, staff\_name, design\_code, dept\_code, hiredate,staff\_dob,staff\_address,mgr\_code,staff\_sal)

values(1003,'Abhishek',324,16,'18-AUG-2008','19-MAR-1985','Kerala',NULL,12000.00);

1 row created.

insert into staff\_master(staff\_code, staff\_name, design\_code, dept\_code, hiredate,staff\_dob,staff\_address,mgr\_code,staff\_sal)

values(1004,'Abhinav',384,16,'18-NOV-2000','09-FEB-1965','Chennai',11,32000.00);

SELECT \* FROM STAFF\_MASTER;

F\_CODE STAFF\_NAME DESIGN\_CODE

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

T\_CODE HIREDATE STAFF\_DOB

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

F\_ADDRESS

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

R\_CODE STAFF\_SAL

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

1001 Rahul 300

24 02-JAN-02 19-MAR-77

e MUMBAI

10 15000.2

F\_CODE STAFF\_NAME DESIGN\_CODE

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

T\_CODE HIREDATE STAFF\_DOB

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

F\_ADDRESS

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

R\_CODE STAFF\_SAL

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

1002 Deepak\_Singh 300

24 25-OCT-05 19-MAR-82

Delhi

10 15000.2

F\_CODE STAFF\_NAME DESIGN\_CODE

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

T\_CODE HIREDATE STAFF\_DOB

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

F\_ADDRESS

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

R\_CODE STAFF\_SAL

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

1003 Abhishek 324

16 18-AUG-08 19-MAR-85

la

12000

F\_CODE STAFF\_NAME DESIGN\_CODE

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

T\_CODE HIREDATE STAFF\_DOB

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

F\_ADDRESS

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

R\_CODE STAFF\_SAL

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

1004 Abhinav 384

16 18-NOV-00 09-FEB-65

nai

11 32000

lab\_1

**1. List the Name and Designation code of the staff who have joined before Jan 2003**

**and whose salary range is between 12000 and 25000. Display the columns with**

**user defined Column headers. Hint: Use As clause along with other operators.**

SQL> select staff\_name,design\_code from staff\_master where hiredate<'01-JAN-2003'

and staff\_sal BETWEEN 12000 AND 25000;

STAFF\_NAME DESIGN\_CODE

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

Rahul 300

**2. List the staff code, name, and department number of the staff who have**

**experience of 18 or more years and sort them based on their experience.**

SQL> select STAFF\_CODE,STAFF\_name,dept\_code from staff\_master where tO\_NUMBER(RO

UND((SYSDATE-HIREDATE)/365))>12;

STAFF\_CODE STAFF\_NAME DEPT\_CODE

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

1001 Rahul 24

1004 Abhinav 16

**3. Display the staff details who do not have manager. Hint: Use is null**

SQL> SELECT \* FROM staff\_master WHERE mgr\_code IS NULL;

STAFF\_CODE STAFF\_NAME DESIGN\_CODE

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

DEPT\_CODE HIREDATE STAFF\_DOB

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

STAFF\_ADDRESS

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

MGR\_CODE STAFF\_SAL

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

1003 Abhishek 324

16 18-AUG-08 19-MAR-85

Kerala

12000

**4. Display the Book details that were published during the period of 2001 to 2004.**

SQL> SELECT \* FROM BOOK\_MASTER WHERE BOOK\_PUB\_YEAR BETWEEN 2001 AND 2004;

BOOK\_CODE BOOK\_NAME BOOK\_PUB\_YEAR

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

BOOK\_PUB\_AUTHOR

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

1234 LET US C 2002

YASHWANT KANETKAR

1236 JAVA PROGRAMMING & LEARNING 2004

DK GARG

1234 LET US C 2002

YASHWANT KANETKAR

**Also display book details with Book name having the character ‘&’ anywhere.**

SQL> SELECT \* FROM BOOK\_MASTER WHERE BOOK\_NAME LIKE '%&%';

BOOK\_CODE BOOK\_NAME BOOK\_PUB\_YEAR

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

BOOK\_PUB\_AUTHOR

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

1236 JAVA PROGRAMMING & LEARNING 2004

DK GARG

1235 SOFTWARE ENGINEERING & TESTING 1999

KK AGGARWAL

**5.List the names of the staff having ‘\_’ character in their name.**

SQL> select staff\_name from staff\_master where staff\_name like '%\\_%' ESCAPE '\';

STAFF\_NAME

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

Deepak\_Singh

**lab\_2**

**1. Create a query which will display Staff Name, Salary of each staff. Format the**

**salary to be 15 characters long and left padded with ‘$’.**

SQL> select STAFF\_name, lpad(STAFF\_sal,15,'$')sTAFF\_SAL from STAFF\_MASTER;

STAFF\_NAME

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

STAFF\_SAL

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

Rahul

$$$$$$$$15000.2

Deepak\_Singh

$$$$$$$$15000.2

Abhishek

$$$$$$$$$$12000

STAFF\_NAME

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

STAFF\_SAL

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

Abhinav

$$$$$$$$$$32000

**2. Display name and date of birth of students where date of birth must be displayed**

**in the format similar to “January, 12 1981” for those who were born on Saturday**

**or Sunday.**

SELECT student\_name, TO\_CHAR(student\_dob,’MONTH, DD YYYY’) FROM STUDENT\_MASTER

WHERE TO\_CHAR(student\_dob, ‘day’) LIKE (‘SAT%’) OR TO\_CHAR(student\_dob, ‘day’) LIKE (‘SUN%’);