SQL> select s.staff\_name, s.dept\_code, d.dept\_name, s.staff\_sal from staff\_master s, department\_master d where s.dept\_code = d.dept\_code and s.staff\_sal>20000;

STAFF\_NAME DEPT\_CODE DEPT\_NAME STAFF\_SAL

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

John 10 Computer Science 32000

Mohan 10 Computer Science 24000

Rahul 20 Electricals 22000

Smith 20 Electricals 62000

Ram 30 Electronics 32000

Allen 30 Electronics 42000

SQL> select s.staff\_code as "Staff#", s.staff\_name as "Staff",d.dept\_name as "Department Name", s.mgr\_code as "Mgr#", b.staff\_name as "Manager" from staff\_master s,staff\_master b,department\_master d where s.dept\_code=d.dept\_code and s.mgr\_code = b.staff\_code;

Staff# Staff Department Name Mgr# Manager

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

100006 Allen Electronics 100005 John

100007 Smith Electricals 100005 John

100008 Raviraj Mechanics 100006 Allen

100001 Arvind Electronics 100006 Allen

100004 Anil Electricals 100006 Allen

100009 Rahul Electricals 100006 Allen

100003 Mohan Computer Science 100006 Allen

100010 Ram Electronics 100007 Smith

100002 Shyam Electricals 100007 Smith

10011 Priya Computer Science 100007 Smith

100005 John Computer Science 100007 Smith

SQL> select s.student\_code,s.student\_name,bt.book\_code,b.book\_name from student\_master s, book\_master b, book\_transactions bt where s.student\_code = bt.student\_code and bt.book\_code=b.book\_code and to\_char(bt.book\_expected\_return\_date) like to\_char(sysdate);

STUDENT\_CODE STUDENT\_NAME BOOK\_CODE BOOK\_NAME

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

1013 Anil 10000006 Let Us C

SQL> select s.staff\_code,s.staff\_name,d.dept\_name,ds.design\_name,b.book\_code,b.book\_name,bt.book\_issue\_date from staff\_master s,department\_master d, Designation\_master ds, book\_master b,book\_transactions bt where b.book\_code=bt.book\_code and s.staff\_code=bt.staff\_code and s.design\_code=ds.design\_code and s.dept\_code=d.dept\_code and months\_between(sysdate,bt.book\_issue\_date) <1;

STAFF\_CODE STAFF\_NAME DEPT\_NAME DESIGN\_NAME BOOK\_CODE BOOK\_NAME BOOK\_ISSU

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

100010 Ram Electronics Reader 10000004

J2EE Complete Reference 10-JUL-19

SQL> select s.staff\_code,s.staff\_name,ds.design\_name,d.dept\_name,b.book\_code,b.book\_name,b.book\_pub\_author, 5\*(trunc(sysdate)-trunc(bt.book\_expected\_return\_date)) as "FINE" from staff\_master s, department\_master d, designation\_master ds, book\_master b,book\_transactions bt where b.book\_code=bt.book\_code and s.staff\_code=bt.staff\_code and s.design\_code=ds.design\_code and s.dept\_code=d.dept\_code and bt.book\_actual\_return\_date is null;

STAFF\_CODE STAFF\_NAME DESIGN\_NAME DEPT\_NAME BOOK\_CODE BOOK\_NAME BOOK\_PUB\_AUTHOR FINE

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

100010 Ram Reader Electronics 10000004 J2EE Complete Reference H. Schild 45

SQL> select staff\_code,staff\_name,staff\_sal from staff\_master where staff\_sal<(select avg(staff\_sal) from staff\_master);

STAFF\_CODE STAFF\_NAME STAFF\_SAL

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

100001 Arvind 17000

100002 Shyam 20000

100003 Mohan 24000

100004 Anil 20000

100008 Raviraj 18000

100009 Rahul 22000

10011 Priya 20000

7-------

SQL> select book\_pub\_author,book\_name from book\_master where book\_pub\_author in (select book\_pub\_author from book\_master group by book\_pub\_author having count (book\_pub\_author)>1);

BOOK\_PUB\_AUTHOR BOOK\_NAME

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

Yashavant Kanetkar Let Us C

Yashavant Kanetkar Let Us C++

8---

SQL> select s.staff\_code,s.staff\_name,d.dept\_name from staff\_master s, department\_master d where s.dept\_code=d.dept\_code and s.staff\_code in(select staff\_code from book\_transactions group by staff\_code having count(staff\_code)>1);

STAFF\_CODE STAFF\_NAME DEPT\_NAME

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

100010 Ram Electronics

100006 Allen Electronics

100007 Smith Electricals

9------

SQL> select s.student\_code, s.student\_name, d.dept\_name from student\_master s, department\_master d where s.dept\_code=d.dept\_code and s.dept\_code=(select dept\_code from(select dept\_code, count(dept\_code) from student\_master group by dept\_code order by count(dept\_code)desc)where rownum=1);

STUDENT\_CODE STUDENT\_NAME DEPT\_NAME

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

1001 Amit Computer Science

1002 Ravi Computer Science

1020 Amrit Computer Science

1014 Sunil Computer Science

1008 Dev Computer Science

10----

SQL> select s.staff\_code,s.staff\_name,d.dept\_name,ds.design\_name from staff\_master s, department\_master d, designation\_master ds where s.dept\_code=d.dept\_code and s.design\_code= ds.design\_code and months\_between(sysdate,s.hiredate)<3;

STAFF\_CODE STAFF\_NAME DEPT\_NAME DESIGN\_NAME

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

10011 Priya Computer Science Lecturer

11--------

SQL> select s1.staff\_name,count(\*) from staff\_master s1,staff\_master s2 where s1.staff\_code=s2.mgr\_code group by s1.mgr\_code,s1.staff\_name;

STAFF\_NAME COUNT(\*)

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

Allen 5

John 2

Smith 4

12----

SQL> select b.\* from book\_master b, book\_transactions bt where b.book\_code=bt.book\_code and to\_char(next\_day(sysdate-interval '7' day,'monday')) like bt.book\_expected\_return\_date and bt.book\_actual\_return\_date is null;

BOOK\_CODE BOOK\_NAME BOOK\_PUB\_YEAR BOOK\_PUB\_AUTHOR

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

10000004 J2EE Complete Reference 2000 H. Schild

10000004 J2EE Complete Reference 2000 H. Schild

13-----

SQL> select s.dept\_code as "Department Code",d.dept\_name as "Department Name", count(\*) as "Number of Employees" from staff\_master s, department\_master d where d.dept\_code=s.dept\_code group by s.dept\_code,d.dept\_name;

Department Code Department Name Number of Employees

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

10 Computer Science 3

20 Electricals 4

30 Electronics 3

40 Mechanics 1