3.2

3.3 Display Staff Code, Staff Name, Department Name, and his manager’s number and name. Label the columns Staff#, Staff, Mgr#, Manager.

SELECT s.staff\_code staff#, s.staff\_name staff, d.design\_name, s.mgr\_code mgr#, m.staff\_name manager

FROM staff\_masters s JOIN designation\_masters d ON d.design\_code = s.design\_code

JOIN staff\_masters m ON m.staff\_code = s.mgr\_code

ORDER BY s.staff\_code

3.4 Create a query that will display Student Code, Student Name, Department Name, Subjec1, Subject2, and Subject3 for all students who are getting 60 and above in each subject from department 10 and 20.

SELECT m.student\_code, s.student\_name, d.dept\_name, m.subject1, m.subject2, m.subject3

FROM student\_marks m JOIN student\_masters s ON m.student\_code = s.student\_code

JOIN department\_masters d ON s.dept\_code = d.dept\_code

WHERE subject1>=60 AND subject2>=60 AND subject3>=60 AND s.dept\_code IN (10, 20);

3.5 Create a query that will display Student Code, Student Name, Book Code, and Book Name for all students whose expected book return date is today.

SELECT T.STUDENT\_CODE, S.STUDENT\_NAME, T.BOOK\_CODE, B.BOOK\_NAME

FROM BOOK\_TRANSACTIONS T JOIN STUDENT\_MASTERS S ON T.STUDENT\_CODE = S.STUDENT\_CODE

JOIN BOOK\_MASTERS B ON B.BOOK\_CODE = T.BOOK\_CODE

WHERE T.BOOK\_EXPECTED\_RETURN\_DATE = SYSDATE

3.6 Create a query that will display Staff Code, Staff Name, Department Name, Designation, Book Code, Book Name, and Issue Date. For only those staff who have taken any book in last 30 days.

SELECT s.staff\_code, s.staff\_name, dept.dept\_name, d.design\_name, t.book\_code, b.book\_name, t.book\_issue\_date

FROM staff\_masters s JOIN department\_masters dept ON s.dept\_code = dept.dept\_code

JOIN book\_transactions t ON t.staff\_code = s.staff\_code

JOIN book\_masters b ON t.book\_code = b.book\_code

JOIN designation\_masters d ON d.design\_code = s.design\_code

WHERE (SYSDATE - t.book\_issue\_date) = 30;

**7.** Generate a report which contains the following information.

Staff Code Staff Name Designation Department Name

Department Head

For all staff excluding HOD (List should not contain the details of Department head).

####database not available####

**8.** Generate a report which contains the following information

Student Code Student Name Department Name Total Marks

HOD Name

Sort the output on Department Name and Total Marks.

####dataset not available####

**9**. Generate a report which contains the following information.

Staff Code, Staff Name, Designation, Department, Book Code, Book Name,

Author, Fine

For the staff who have not return the book. Fine will be calculated as Rs. 5 per day.

Fine = 5 \* (No. of days = Current Date – Expected return date).

SELECT s.staff\_code, s.staff\_name, dept.dept\_name, d.design\_name, , t.book\_code, b.book\_name, b.book\_pub\_author, (SYSDATE – t.book\_expected\_return\_date)\*5 “FINE”

FROM staff\_masters s JOIN department\_masters dept ON s.dept\_code = dept.dept\_code

JOIN book\_transactions t ON t.staff\_code = s.staff\_code

JOIN book\_masters b ON t.book\_code = b.book\_code

JOIN designation\_masters d ON d.design\_code = s.design\_code

WHERE (SYSDATE – t.book\_expected\_return\_date)>0;

**10.** List Staff Code, Staff Name, and Salary for those who are getting less than the average salary of organization.

SELECT s.staff\_code, s.staff\_name, s.staff\_sal FROM staff\_masters s

WHERE s.staff\_sal< ANY (SELECT avg(staff\_sal) FROM staff\_masters);

**11.** List the Staff Code, Staff Name who are not Manager.

SELECT staff\_code, staff\_name FROM staff\_masters

WHERE staff\_code NOT IN (SELECT mgr\_code FROM staff\_masters)

**12.** Display Author Name, Book Name for those authors who wrote more than one book.

SELECT book\_pub\_author, book\_name FROM book\_masters

WHERE book\_pub\_author IN (SELECT book\_pub\_author FROM book\_masters GROUP BY book\_pub\_author HAVING COUNT(book\_code)>1);

**13**. Display Staff Code, Staff Name, and Department Name for those who have taken more than one book.

**14.** Display top ten students for a specified department. Details are:

Student Code, Student Name, Department Name, Subject1, Subject2, Subject3, Total.

**15.** Display the Staff Name, Department Name, and Salary for those staff who are getting less than average salary in their own department

**16.** Create a query that will display the Staff Name, Department Name, and all the staff that work in the same department as a given staff. Give the column as appropriate label.

**17.** List the Student Code, Student Name for that student who got highest marks in all three subjects in Computer Science department for current year.

**18.** Display the Student Code, Student Name, and Department Name for that department in which there are maximum number of student are studying.

**19.** Display Staff Code, Staff Name, Department Name, and Designation for those who have joined most recently.

**20.** Display the Manager Name and the total strength of his/her team.