CASE STUDY 3

# ORACLE – SQL

1. Display the subject code, subjects and total marks for every student. total marks is calculated as (s1+s2+s3...)

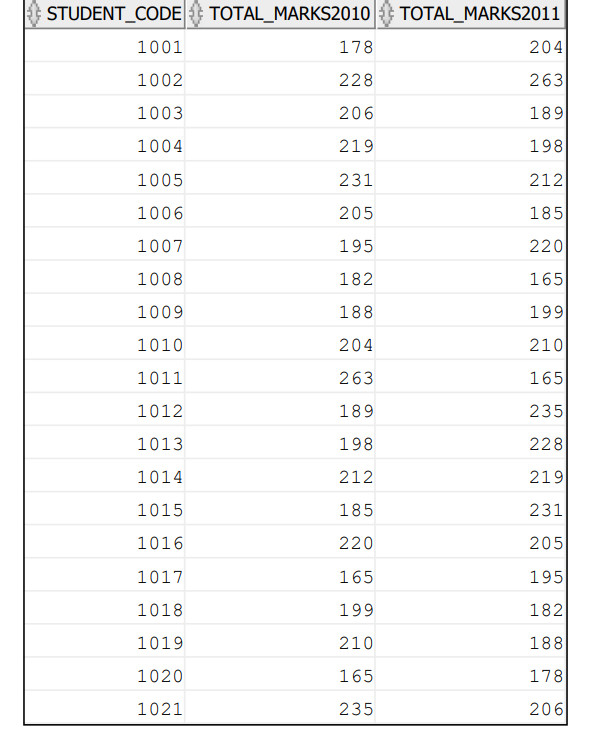
QUERY:

create table s1 as(select \* from student\_marks where student\_year=2010);

create table s2 as(select \* from student\_marks where student\_year=2011);

select s1.student\_code, (s1.subject1+s1.subject2+s1.subject3) as total\_marks2010,

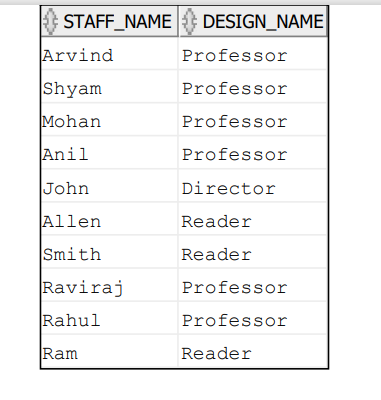
(s2.subject1+s2.subject2+s2.subject3) as total\_marks2011 from s1,s2 where

 s1.student\_code=s2.student\_code;

1. List the name and designations of the staff who have joined before Jan 2005.

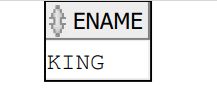
QUERY: select s.staff\_name,d.DESIGN\_NAME from staff\_master s,designation\_master d

where s.design\_code=d.design\_code and hiredate < '01-JAN-2005';



3. Display the employees for whom the manager is not allocated.

QUERY: SELECT ENAME FROM EMP WHERE MGR IS NULL;



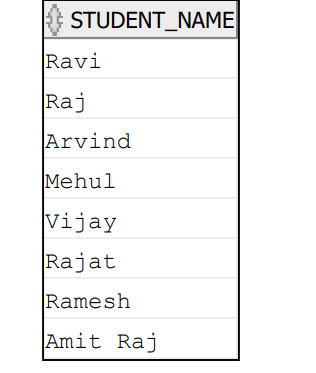
4. Display the details of the books that is not been returned and expected return date was monday.

QUERY: SELECT \* FROM book\_transactions WHERE book\_expected\_return\_date != book\_actual\_return\_date AND TO\_CHAR(BOOK\_EXPECTED\_RETURN\_DATE,'DAY')='MONDAY';

NO OUTPUT

5. Check the date of birth of the students and display only those students who were born on saturday or sunday.

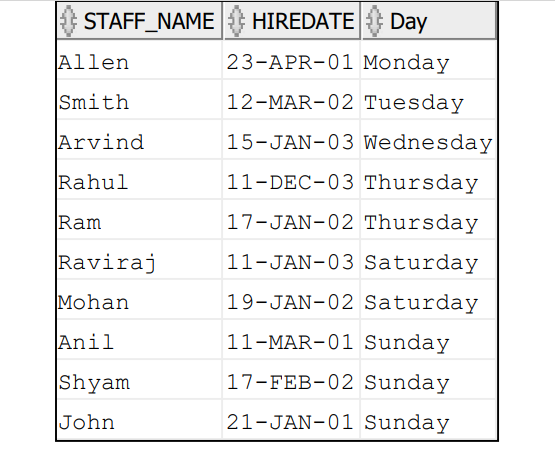
QUERY: SELECT STUDENT\_NAME FROM student\_master WHERE TO\_CHAR(STUDENT\_DOB,'FMDAY')='SATURDAY' OR TO\_CHAR(STUDENT\_DOB,'FMDAY')='SUNDAY';



6. Display the staff name and hire date (through this date find out the day!).create a new column as DAY in the result nd sort it to start from monday.

QUERY: SELECT STAFF\_NAME, HIREDATE,TO\_CHAR(HIREDATE, 'FMDAY') AS "DAY"

FROM STAFF\_MASTER ORDER BY(NEXT\_DAY(HIREDATE, 'MONDAY') - HIREDATE) DESC;



7. Display manager name, manager code and salary of the lowest paid staff in that manager's group.Exclude that group where the salary is less then 10k. Display other records in desc order.

QUERY: SELECT MGR\_CODE, STAFF\_SAL,STAFF\_NAME FROM STAFF\_MASTER WHERE STAFF\_SAL>10000

GROUP BY MGR\_CODE,STAFF\_SAL,STAFF\_NAME ORDER BY STAFF\_SAL DESC;

