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

SOL:- SELECT STUDENT\_CODE,SUBJECT1,SUBJECT2,SUBJECT3,SUBJECT1+SUBJECT2+SUBJECT3 AS TOTAL\_MARKS

FROM student\_marks;

STUD\_CODE SUBJECT1 SUBJECT2 SUBJECT3 TOTAL\_MARKS

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1005 78 88 65 231

1006 65 86 54 205

1007 67 79 49 195

1008 72 55 55 182

1009 71 59 58 188

1010 68 44 92 204

1011 89 96 78 263

1012 78 56 55 189

1013 75 58 65 198

1014 73 74 65 212

1015 66 45 74 185

1016 68 78 74 220

1017 69 44 52 165

1018 65 78 56 199

1019 78 58 74 210

1018 72 55 55 182

1019 71 59 58 188

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

SOL :- SELECT ENAME,JOB,HIREDATE

FROM EMP

WHERE HIREDATE <= '01-JAN-2005';

ENAME JOB HIREDATE

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ALLEN SALESMAN 20-02-81

WARD SALESMAN 22-02-81

JONES MANAGER 02-04-81

MARTIN SALESMAN 28-09-81

BLAKE MANAGER 01-05-81

CLARK MANAGER 09-06-81

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

SOL:- SELECT ENAME,EMPNO

FROM EMP

WHERE MGR IS NULL;

ENAME

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

SOL :- SELECT \*

FROM book\_transactions

WHERE book\_expected\_return\_date IS NULL AND to\_char(book\_actual\_return\_date, 'fmday')='monday';

BOOK\_CODE BOOK\_NAME BOOK\_EXPE BOOK\_ACTU

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10000005 Relational DBMS 21-MAR-11 21-MAR-11

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

SOL :- Select student\_name, to\_char(student\_dob, 'DD-MON-RR Day') as dob

from student\_master

where to\_char(student\_dob, 'fmday')='saturday' or to\_char(student\_dob, 'fmday')='sunday';

STUDENT\_NAME DOB

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Ravi 01-NOV-81 Sunday

Raj 14-JAN-79 Sunday

Arvind 15-JAN-83 Saturday

Mehul 17-JAN-82 Sunday

Vijay 19-JAN-80 Saturday

Rajat 20-JAN-80 Sunday

Ramesh 27-DEC-80 Saturday

Amit Raj 28-SEP-80 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 and sort it to start from monday.

SOL :- select STAFF\_NAME,HIREDATE, to\_char(hiredate, 'fmDay') as DAY

FROM staff\_master

ORDER BY (next\_day(hiredate, 'Monday') - hiredate) desc;

STAFF\_NAME HIREDATE Day

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Allen 23-APR-01 Monday

Smith 12-MAR-02 Tuesday

Arvind 15-JAN-03 Wednesday

Rahul 11-DEC-03 Thursday

Ram 17-JAN-02 Thursday

Raviraj 11-JAN-03 Saturday

Mohan 19-JAN-02 Saturday

Anil 11-MAR-01 Sunday

Shyam 17-FEB-02 Sunday

John 21-JAN-01 Sunday

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.

SOL

select s.staff\_name as manager, m.mgr\_code, min(s.staff\_sal)

from staff\_master s join staff\_master m

on s.staff\_code=m.mgr\_code

group by m.mgr\_code, s.staff\_name, s.staff\_sal

having s.staff\_sal>10000 order by s.staff\_sal desc;

MANAGER MGR\_CODE MIN(S.STAFF\_SAL)

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Smith 100007 62000

Allen 100006 42000

John 100005 32000