**QUESTIONS ON SUBQUERY (CASE 2)**

1. WAQTD NAMES OF THE STUDENTS WHO ARE STUDYING IN MECH DEPT.

ANS: SELECT SNAME

FROM STUDENT

WHERE TID IN (SELECT TID

FROM TEACHER

WHERE DEPARTMENT=’MECH’);

1. WAQTD DETAILS OF STUDENTS , IF THEY ARE STUDYING IN ‘ME-CS’ AND REPORTING TO TEACHER ‘KIRAN’.

ANS: SELECT \*

FROM STUDENT

WHERE BRANCH=’ME-CS’ AND TID IN (SELECT TID

FROM TEACHER

WHERE TNAME=’KIRAN’);

1. WAQTD NAME OF STUDENTS WHOSE TEACHER NAME ENDS WITH CHARACTER ‘H’.

ANS: SELECT SNAME

FROM STUDENT

WHERE TID IN (SELECT TID

FROM TEACHER

WHERE TNAME LIKE ‘%H’);

1. WAQTD NAME AND SALARY OF TEACHERS WHO HAVE CHAR ‘R’,’S’ IN THEIR STUDENT NAME.

ANS: SELECT TNAME,SALARY

FROM TEACHER

WHERE TID IN (SELECT TID

FROM STUDENT

WHERE SNAME LIKE ‘%R%’ OR SNAME LIKE ’%S%’);

1. WAQTD DETAILS OF THE STUDENTS WHOSE TEACHER SALARY IS MORE THAN 40000 AND LESS THAN 85000 AND AGE IS MORE THAN 25.

ANS: SELECT \*

FROM STUDENT

WHERE TID IN (SELECT TID

FROM TEACHER

WHERE SALARY > 40000 AND SALARY<85000 AND

AGE >25);

1. WAQTD DETAILS OF STUDENTS WHOSE TEACHER NAME ENDS WITH CHARACTER ‘N’ AND EARNING MORE THAN 38000 AND HIRED BEFORE ‘RAM’.

ANS: SELECT \*

FROM STUDENT

WHERE TID IN (SELECT TID

FROM TEACHER

WHERE TNAME LIKE ‘%N’ AND SALARY > 38000 AND

HIREDATE <(SELECT HIREDATE

FROM TEACHER

WHERE TNAME=’RAM’));

1. WAQTD NAME AND SALARY OF TEACHERS ALONG WITH HALF TERM SALARY ,WHERE SALARY IS MORE THAN 35000 AND REPORTED BY STUDENT\_ID 1003 AND SHOULD HAVE CHAR ‘A’ IN HIS NAME

ANS: SELECT TNAME,SALARY,SALARY\*6 AS HALF TERM

FROM TEACHER

WHERE SALARY > 35000 AND TID = (SELECT TID

FROM STUDENT

WHERE SID = 1003 AND SNAME LIKE ‘%A%’);

1. WAQTD STUDENT NAME ,BRANCH,PH\_NO WHO IS REPORTING TO TEACHER WHO EARNS 5 DIGIT SALARY AND TEACHER SHOULD HAVE 2 TIMES ‘A’ IN THEIR NAME AND HAVE EXPERIENCE OF 3YEARS AND AGE LESS THAN 30.

ANS: SELECT SNAME,BRANCH,PH\_NO

FROM STUDENT

WHERE TID IN (SELECT TID

FROM TEACHER

WHERE SALARY LIKE ‘\_\_\_\_\_’ AND

TNAME LIKE ‘%A%A%’ AND EXPERIENCE= 3

AND AGE<30);

1. WAQTD NAME AND PH\_NO OF STUDENTS WHOSE TEACHER SALARY IS MORE THAN ‘HARISH’ BUT HIRED BEFORE ‘KUMAR’.

ANS: SELECT SNAME,PH\_NO

FROM STUDENT

WHERE TID IN (SELECT TID

FROM TEACHER

WHERE SALARY > (SELECT SALARY

FROM TEACHER

WHERE TNAME=’HARISH’) AND

HIREDATE < (SELECT HIREDATE

FROM TEACHER

WHERE TNAME=’KUMAR’));

1. WAQTD DETAILS OF TEACHERS WHERE THEIR STUDENTS ARE STUDYING IN LOC DELHI OR BANGALORE AND PH\_NO STARTS WITH ‘99’

ANS: SELECT \*

FROM TEACHER

WHERE TID IN (SELECT TID

FROM STUDENT

WHERE LOCATION IN (‘DELHI’,’BANGALORE’) AND

PH\_NO LIKE ‘99%’);

1. WAQTD NAME,SALARY AND HIREDATE OF TEACHERS WHOSE DOB IS IN THE YEAR 2000 AND SID IS LESS THAN ‘VINAY’.

ANS: SELECT TNAME,SALARY,HIREDATE

FROM TEACHER

WHERE TID IN (SELECT TID

FROM STUDENT

WHERE DOB LIKE ‘%2000’ AND SID<(SELECT SID

FROM STUDENT

WHERE SNAME=’VINAY’));

1. WAQTD DETAILS OF STUDENTS WHOSE TEACHER HIRED AFTER 06-MAR-19’ AND EARNING LESS THAN TEACHER ‘KIRAN’.

ANS: SELECT \*

FROM STUDENT

WHERE TID IN (SELECT TID

FROM TEACHER

WHERE HIREDATE>’06-MAR-19’ AND

SALARY <(SELECT SALARY

FROM TEACHER

WHERE TNAME=’KIRAN’));

1. WAQTD NAME,DOB AND LOCATION OF STUDENTS,IF TEACHER HAVE MORE THAN 2 YEARS OF EXPERIENCE AND LESS THAN 10YEARS AND HAVE AGE LESS THAN 38.

ANS: SELECT SNAME,DOB,LOCATION

FROM STUDENT

WHERE TID IN (SELECT TID

FROM TEACHER

WHERE EXPERIENCE BETWEEN 3 AND 9 AND

AGE <38);

1. WAQTD DETAILS OF THE TEACHERS ALONG WITH HALF TERM SALARY IF HIS HALF\_TERM SALARY IS MORE THAN TEACHER ‘HARISH’ AND THEY ARE REPORTED BY THE STUDENT WHO HAVE CHAR ‘A’ IN THEIR NAME.

ANS: SELECT TEACHER.\*,SAL\*6

FROM TEACHER

WHERE SALARY\*6>(SELECT SALARY\*6

FROM TEACHER

WHERE TNAME=’HARISH’) AND TID IN (SELECT TID

FROM STUDENT

WHERE SNAME LIKE ‘%A%’);

1. WAQTD DETAILS OF THE STUDENTS WHOSE TEACHERS ARE HIRED AFTER HARISH BUT EARNING LESS THAN RAM.

ANS: SELECT \*

FROM STUDENT

WHERE TID IN (SELECT TID

FROM TEACHER

WHERE HIREDATE >(SELECT HIREDATE

FROM TEACHER

WHERE TNAME =’HARISH’) AND

SALARY <(SELECT SALARY

FROM TEACHER

WHERE TNAME =’RAM’));