**QUESTIONS ON SUBQUERY (CASE 2)**

1. WAQTD NAME OF TEACHER WHO IS REPORTED BY (STUDENT CHARAN).

ANS: SELECT TNAME

FROM TEACHER

WHERE TID = (SELECT TID

FROM STUDENT

WHERE SNAME=’CHARAN’);

1. WAQTD DETAILS OF STUDENTS WHO ARE REPORTING TO

(TEACHER HARISH).

ANS: SELECT \*

FROM STUDENT

WHERE TID = (SELECT TID

FROM TEACHER

WHERE TNAME = ‘HARISH’);

1. WAQTD NAME OF STUDENTS WHOSE TEACHER NAME STARTS WITH CHARACTER ‘K’.

ANS: SELECT SNAME

FROM STUDENT

WHERE TID IN (SELECT TID

FROM TEACHER

WHERE TNAME LIKE ‘K%’);

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

ANS: SELECT TNAME,SALARY

FROM TEACHER

WHERE TID IN (SELECT TID

FROM STUDENT

WHERE SNAME LIKE ‘%R%’);

1. WAQTD DETAILS OF THE STUDENTS WHOSE TEACHER SALARY IS MORE THAN 40000.

ANS: SELECT \*

FROM STUDENT

WHERE TID IN (SELECT TID

FROM TEACHER

WHERE SALARY > 40000);

1. WAQTD DETAILS OF STUDENTS WHOSE TEACHER NAME ENDS WITH CHARACTER ‘N’ AND EARNING LESS THAN 80000.

ANS: SELECT \*

FROM STUDENT

WHERE TID IN (SELECT TID

FROM TEACHER

WHERE TNAME LIKE ‘%N’ AND SALARY < 80000);

1. WAQTD NAME AND SALARY OF TEACHERS ALONG WITH HALF TERM SALARY ,WHERE SALARY IS MORE THAN 35000 AND REPORTED BY STUDENT\_ID 1003.

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

FROM TEACHER

WHERE SALARY > 35000 AND TID = (SELECT TID

FROM STUDENT

WHERE SID = 1003);

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.

ANS: SELECT SNAME,BRANCH,PH\_NO

FROM STUDENT

WHERE TID IN (SELECT TID

FROM TEACHER

WHERE SALARY LIKE ‘\_\_\_\_\_’ AND

TNAME LIKE ‘%A%A%’);

1. WAQTD DETAILS OF TEACHERS WHERE THERE STUDENTS ARE STUDYING IN SAME BRANCH AS ‘AMAN’.

ANS: SELECT \*

FROM TEACHER

WHERE TID IN (SELECT TID

FROM STUDENT

WHERE BRANCH = (SELECT BRANCH

FROM STUDENT

WHERE SNAME=’AMAN’));

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

ANS: SELECT SNAME,PH\_NO

FROM STUDENT

WHERE TID IN (SELECT TID

FROM TEACHER

WHERE SALARY > (SELECT SALARY

FROM TEACHER

WHERE TNAME=’HARISH’) AND

SALARY < (SELECT SALARY

FROM TEACHER

WHERE TNAME=’RAM’));

1. WAQTD DETAILS OF TEACHERS WHERE THEIR STUDENTS ARE STUDYING IN LOC DELHI.

ANS: SELECT \*

FROM TEACHER

WHERE TID IN (SELECT TID

FROM STUDENT

WHERE LOCATION IN ‘DELHI’);

1. WAQTD NAME AND LOCATION OF STUDENTS WHO ARE REPORTING TO TEACHER KIRAN.

ANS: SELECT SNAME,LOCATION

FROM STUDENT

WHERE TID IN (SELECT TID

FROM TEACHER

WHERE TNAME=’KIRAN’);

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

ANS: SELECT \*

FROM STUDENT

WHERE TID IN (SELECT TID

FROM TEACHER

WHERE DEPARTMENT IN ‘MECH’);

1. WAQTD NAME,SALARY AND HIREDATE OF TEACHERS WHOSE DOB IS IN THE YEAR 2000.

ANS: SELECT TNAME,SALARY,HIREDATE

FROM TEACHER

WHERE TID IN (SELECT TID

FROM STUDENT

WHERE DOB LIKE ‘%2000’);

1. WAQTD NAME,EXPERIENCE AND DEPARTMENT OF TEACHERS WHO ARE REPORTED BY THE BRANCH BSC-IT STUDENTS.

ANS: SELECT TNAME,EXPERIENCE,DEPARTMENT

FROM TEACHER

WHERE TID IN (SELECT TID

FROM STUDENT

WHERE BRANCH = ‘BSC-IT’);

1. WAQTD DETAILS OF STUDENTS WHOSE TEACHER HIRED AFTER 06-MAR-19’.

ANS: SELECT \*

FROM STUDENT

WHERE TID IN (SELECT TID

FROM TEACHER

WHERE HIREDATE>’06-MAR-19’);

1. WAQTD NAME OF STUDENTS WHOSE TEACHER HIRED BEFORE YEAR 2022.

ANS: SELECT SNAME

FROM STUDENT

WHERE TID IN (SELECT TID

FROM TEACHER

WHERE HIREDATE LIKE ‘%2022’);

1. WAQTD NAME,DOB AND LOCATION OF STUDENTS,IF TEACHER HAVE 10 YEARS OF EXPERIENCE.

ANS: SELECT SNAME,DOB,LOCATION

FROM STUDENT

WHERE TID IN (SELECT TID

FROM TEACHER

WHERE EXPERIENCE =10);

1. WAQTD DETAILS OF THE TEACHERS ALONG WITH HALF TERM SALARY IF THEY ARE REPORTED BY THE STUDENT WHO HAVE CHAR ‘A’ IN THEIR NAME.

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

FROM TEACHER

WHERE TID IN (SELECT TID

FROM STUDENT

WHERE SNAME LIKE ‘%A%’);

1. WAQTD DETAILS OF STUDENTS WHO ARE STUDYING UNDER MORE THAN 6YEARS OF EXPERIENCED TEACHER.

ANS: SELECT \*

FROM STUDENT

WHERE TID IN (SELECT TID

FROM TEACHER

WHERE EXPERIENCE > 6);

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

ANS: SELECT \*

FROM STUDENT

WHERE TID IN (SELECT TID

FROM TEACHER

WHERE SALARY >(SELECT SALARY

FROM TEACHER

WHERE TNAME =’HARISH’) AND

SALARY <(SELECT SALARY

FROM TEACHER

WHERE TNAME =’RAM’));

1. WAQTD DETAILS OF THE STUDENTS WHOSE TEACHERS ARE HIRED AFTER T KUMAR BUT BEFORE RAM.

ANS: SELECT \*

FROM STUDENT

WHERE TID IN (SELECT TID

FROM TEACHER

WHERE HIREDATE >(SELECT HIREDATE

FROM TEACHER

WHERE TNAME =’KUMAR’) AND

HIREDATE <(SELECT HIREDATE

FROM TEACHER

WHERE TNAME =’RAM’));

1. WAQTD NAME AND BRANCH OF THE STUDENTS WHOSE TEACHERS ARE HAVING EXPERIENCE MORE THAN KUMAR BUT LESS THAN HARISH

ANS: SELECT SNAME,BRANCH

FROM STUDENT

WHERE TID IN (SELECT TID

FROM TEACHER

WHERE EXPERIENCE >(SELECT EXPERIENCE

FROM TEACHER

WHERE TNAME =’KUMAR’) AND

EXPERIENCE <(SELECT EXPERIENCE

FROM TEACHER

WHERE TNAME =’HARISH’));

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

ANS: SELECT \*

FROM STUDENT

WHERE TID IN (SELECT TID

FROM TEACHER

WHERE HIREDATE >(SELECT HIREDATE

FROM TEACHER

WHERE TNAME =’KUMAR’) AND

SALARY <(SELECT SALARY

FROM TEACHER

WHERE TNAME =’KIRAN’));

1. WAQTD DETAILS OF THE STUDENTS WHO DOB IS MORE THAN AMAN BUT THESE STUDENTS HAVING TEACHERS WHO ARE HIRED AFTER KIRAN BUT EARNING SALARY LESS THAN RAM.

ANS: SELECT \*

FROM STUDENT

WHERE DOB>(SELECT DOB

FROM STUDENT

WHERE SNAME =’AMAN’) AND

TID IN (SELECT TID

FROM TEACHER

WHERE HIREDATE >(SELECT HIREDATE

FROM TEACHER

WHERE TNAME =’KIRAN) AND

SALARY <(SELECT SALARY

FROM TEACHER

WHERE TNAME =’RAM’));