**QUESTIONS ON SUBQUERY (CASE 1)**

1. WAQTD DETAILS OF THE TEACHERS ,IF THEY HIREDATE BEFORE WHO HAVE TID\_NO 12.

ANS: SELECT \*

FROM TEACHER

WHERE HIREDATE <(SELECT HIREDATE

FROM TEACHER

WHERE TID=12);

1. WAQTD NAMES OF THE TEACHERS STUDYING IN EACH DEPT.

ANS: SELECT TNAME

FROM TEACHER

WHERE DEPARTMENT IN (SELECT DEPARTMENT

FROM TEACHER

GROUP BY DEPARTMENT);

1. WAQTD NAME AND BRANCH OF THE STUDENTS IF THEIR DOB IS SAME AS THE STUDENT\_ID 1004.

ANS: SELECT SNAME,BRANCH

FROM STUDENT

WHERE DOB IN (SELECT DOB

FROM STUDENT

WHERE SID=1004);

1. WAQTD NAME AND PH\_NO OF THE STUDENTS ,WHOSE PH\_NUMBER ENDS WITH ‘98’ AND WORKING IN SAME LOCATION AS ‘VINAY’.

ANS: SELECT SNAME,PH\_NO

FROM STUDENT

WHERE PH\_NO LIKE ‘%98’ AND LOCATION IN (SELECT LOCATION

FROM STUDENT

WHERE SNAME=’VINAY’);

1. WAQTD DETAILS OF THE TEACHERS ,WHO HAVE EXPERIENCE OF MORE THAN 3 YEARS AND AGE SHOULD BE LESS THAN KUMAR’S AGE.

ANS: SELECT \*

FROM TEACHER

WHERE EXPERIENCE>3 AND AGE <(SELECT AGE

FROM TEACHER

WHERE TNAME=’KUMAR’);

1. WAQTD DETAILS OF STUDENTS WHOSE STUDENT ID IS LESSER THAN AMAN.

ANS: SELECT \*

FROM STUDENT

WHERE SID < (SELECT SID

FROM STUDENT

WHERE SNAME=’AMAN’);

1. WAQTD NAME OF TEACHERS WHO IS EARNING SALARY LESS THAN RAM.

ANS: SELECT TNAME

FROM TEACHER

WHERE SALARY < (SELECT SALARY

FROM TEACHER

WHERE TNAME=’RAM’);

1. WAQTD DETAILS OF STUDENTS WHOSE DOB IS SAME AS JAHIR.

ANS: SELECT \*

FROM STUDENT

WHERE DOB =(SELECT DOB

FROM STUDENT

WHERE SNAME = ‘JAHIR’);

1. WAQTD PH\_NO OF STUDENTS WHO ARE STUDYING IN SAME BRANCH AS (SID 🡪 1002) AND DOB IS SAME AS ‘VINAY’

ANS: SELECT PH\_NO

FROM STUDENT

WHERE BRANCH = (SELECT BRANCH

FROM STUDENT

WHERE SID = 1002) AND

DOB = (SELECT DOB

FROM STUDENT

WHERE SNAME=’VINAY’);

1. WAQTD DETAILS OF TEACHERS WHOSE HAVE TID\_NO GREATER THAN RAM AND EARING SALARY MORE THAN KIRAN BUT LESS THAN ‘RAM’

ANS: SELECT \*

FROM TEACHER

WHERE TID > (SELECT TID

FROM TEACHER

WHERE TNAME=’RAM’) AND

SALARY > (SELECT SALARY

FROM TEACHER

WHERE TNAME=’KIRAN’) AND

SALARY < (SELECT SAL

FROM TEACHER

TNAME=’RAM’);

1. WAQTD DETAILS OF STUDENTS ALONG WITH TID\_NO, WHO HAVE SAME TID\_NO AS AMAN, AND STUDYING IN SAME BRANCH AS VINAY AND HAVING SAME DOB AS ‘CHARAN’

ANS: SELECT STUDENT.\*,TID

FROM STUDENT

WHERE TID = (SELECT TID

FROM STUDENT

WHERE SNAME=’AMAN’) AND

BRANCH = (SELECT BRANCH

FROM STUDENT

WHERE SNAME=’VINAY’) AND

DOB = (SELECT DOB

FROM STUDENT

WHERE SNAME=’CHARAN’);

1. WAQTD NAME OF TEACHER WHO HIRED AFTER KUMAR AND EARNING ANNUAL\_SALARY LESS THAN THE TID\_NO 13

ANS: SELECT TNAME

FROM TEACHER

WHERE HIREDATE >(SELECT HIREDATE

FROM TEACHER

WHERE TNAME=’KUMAR’) AND

SALARY\*12 < (SELECT SALARY\*12

FROM TEACHER

WHERE TID < 13);

1. WAQTD DETAILS OF STUDENTS WHOSE DOB IS LESSER THAN VINAY AND THEY ARE FROM LOCATION ‘DELHI’ AND HAVE SID LESS THAN 1003.

ANS: SELECT \*

FROM STUDENT

WHERE DOB < (SELECT DOB

FROM STUDENT

WHERE SNAME = ‘VINAY’) AND

LOCATION =’DELHI’ AND SID<1003;

1. WAQTD NAME AND AGE OF TEACHERS WHOSE AGE IS LESS THAN THE TEACHER WORKING IN DEPT CIVIL AND ANNUAL\_SALARY LESS THAN ‘HARISH’.

ANS: SELECT TNAME,AGE

FROM TEACHER

WHERE AGE < (SELECT AGE

FROM TEACHER

WHERE DEPARTEMENT =’CIVIL’) AND

SALARY\*12 < (SELECT SALARY\*12

FROM TEACHER

WHERE TNAME = ‘HARISH’);

1. WAQTD NAME AND AGE OF TEACHERS WHO HIRED BEFORE THE TEACHER WORKING IN DEPT ‘IT’ AND EARNING SALARY MORE THAN ‘KIRAN’ AND HAVE EXPERIENCE LESS THAN ‘KIRAN’.

ANS: SELECT TNAME,AGE

FROM TEACHER

WHERE HIREDATE < (SELECT HIREDATE

FROM TEACHER

WHERE DEPARTEMENT =’IT’) AND

SALARY < (SELECT SALARY

FROM TEACHER

WHERE TNAME=’KIRAN’) AND

EXPERIENCE <(SELECT EXPERIENCE

FROM TEACHER

WHERE TNAME=’KIRAN’);