**QUESTIONS ON INNER JOINS**

1. WAQTD DETAILS OF TEACHERS AND STUDENTS.

ANS: SELECT T.\*,S.\*

FROM TEACHER T , STUDENTS S

WHERE T.TID=S.TID;

2. WAQTD TEACHERS NAME AND STUDENTS NAME.

ANS: SELECT TNAME ,SNAME

FROM TEACHER T , STUDENTS S

WHERE T.TID=S.TID;

3. WAQTD TEACHERS NAME,SALARY AND STUDENTS NAME, DATE OF BIRTH, IF STUDENTS ARE FROM BANGALORE.

ANS: SELECT TNAME,SALARY,SNAME,DOB

FROM TEACHER T , STUDENTS S

WHERE T.TID=S.TID AND LOCATION=’BANGALORE’;

4. WAQTD TEACHERS AGE, EXPERIENCE AND STUDENTS NAME, DATE OF BIRTH, IF TEACHERS ARE EARING MORE THAN 40000.

ANS: SELECT AGE,EXPERIENCE,SNAME,DOB

FROM TEACHER T , STUDENTS S

WHERE T.TID=S.TID AND SALARY > 40000;

5. WAQTD TEACHERS DEPARTMENT, EXPERIENCE AND STUDENTS AGE, DATE OF BIRTH, IF TEACHERS AGE IS MORE THAN STUDENTS AGE.

ANS: SELECT DEPARTMENT,EXPERIENCE,S.AGE,DOB

FROM TEACHER T , STUDENTS S

WHERE T.TID=S.TID AND T.AGE>S.AGE;

6. WAQTD TEACHERS HIREDATE, GENDER AND STUDENTS GENDER, DATE OF BIRTH, IF TEACHERS ARE FROM CIVIL DEPARTMENT AND STUDENTS ARE FROM BANGALORE.

ANS: SELECT HIREDATE, T.GENDER,S.GENDER,DOB

FROM TEACHER T , STUDENTS S

WHERE T.TID=S.TID AND DEPARTMENT=’CIVIL’ AND LOCATION=’BANGLORE’;

7. WAQTD DETAILS OF TEACHERS ALONG WITH STUDENT NAME ,IF STUDENTS NAME ARE ENDING WITH ‘N’ AND TEACHERS ARE HIRED BEFORE 2021.

ANS: SELECT T.\*,SNAME

FROM TEACHER T,STUDENT S

WHERE T.TID=S.TID AND SNAME LIKE ‘%N’ AND HIREDATE <’01-JAN-2021’;

8. WAQTD NAME & EXPERIENCE OF TEACHERS AND NAME &BRANCH OF STUDENTS ALONG WITH THEIR AGES ,IF TEACHERS GENDER IS MALE AND STUDENTS AGE IS LESS THAN 24.

ANS: SELECT TNAME,EXPERIENCE,T.AGE,SNAME,BRANCH,S.AGE

FROM TEACHER T ,STUDENT S

WHERE T.TID=S.TID AND T.GENDER=’MALE’ AND S.AGE <24;

9. WAQTD NAME&PH\_NO OF STUDENT ALONG WITH TEACHERS SALARY &DEPARTMENT,IF STUDENTS ARE FROM BANGLORE ,STUDYING IN BRANCH ‘ME-CS’ AND TEACHERS HAVE EXPERIENCE MORE THAN 5 YEARS.

ANS: SELECT SNAME,PH\_NO,SALARY,DEPARTMENT

FROM TEACHER T , STUDENT S

WHERE T.TID=S.TID AND LOCATION=’BANGALORE’ AND BRANCH=’ME=CS’ AND

EXPERIENCE > 5;

10. WAQTD LOCATION,DOB,BRANCH OF STUDENTS & NAME,GENDER,AGE OF TEACHERS ALONG WITH THERE TID ,IF TEACHER IS WORKING IN MECH DEPT AND EARNING MORE THAN 45000 AND FILTER ONLY MALE STUDENTS .

ANS: SELECT LOCATION,DOB,BRANCH,S.TID,TNAME,T.GENDER,T.AGE,T.TID

FROM TEACHER T, STUDENT S

WHERE T.TID=S.TID AND DEPARTMENT=’MECH’ AND SALARY > 45000 AND

S.GENDER = ‘MALE’;

11. WAQTD DETAILS OF STUDENTS AND TEACHERS DETAILS ,IF STUDENTS ARE FROM LOCATION WHICH STARTS WITH CHAR ‘B’ AND DOB IS MORE THAN 1999 AND STUDENTS AGE IS LESS THAN TEACHERS AGE.

ANS: SELECT T.\*, S.\*

FROM TEACHER T, STUDENT S

WHERE T.TID = S.TID AND LOCATION LIKE ‘B%’ AND DOB>’31-DEC-1999’ AND

S.AGE < T.AGE;

12. WAQTD NAME OF STUDENT AND TEACHER NAME ALONG WITH THERE GENDER ,IF TEACHERS HAVE EXPERIENCE MORE THAN 8 YEARS AND AGE SHOULD BE MORE THAN 30 AND STUDENTS BRANCH SHOULD HAVE CHAR ‘E’ IN IT.

ANS: SELECT SNAME,S.GENDER,TNAME,T.GENDER

FROM TEACHER T,STUDENT S

WHERE T.TID=S.TID AND EXPERIENCE >8 AND T.AGE >30 AND BRANCH LIKE ‘%E%’;

13. WAQTD STUDENT\_ID AND TEACHER\_ID ALONG WITH THERE NAMES ,IF TEACHERS SALARY IS MORE THAN 40000 BUT LESS THAN 70000 AND SHOULD HAVE EXPERIENCE OF MORE THAN 7 YEARS AND STUDENT ARE FROM DELHI AND STUDYING IN ‘BSC-IT’.

ANS: SELECT SID,SNAME,T.TID,TNAME

FROM TEACHER T,STUDENT S

WHERE T.TID=S.TID AND SALARY BETWEEN 40001 AND 69999 AND EXPERIENCE > 7

AND LOCATION =’DELHI’ AND BRANCH=’BSC-IT’;

14. WAQTD DETAILS OF TEACHERS ALONG WITH STUDENTS PH\_NO & LOCATION, IF STUDENTS NAME HAVE ‘A’ AS LAST 2ND CHAR AND SHOULD BE A MALE STUDENT AND TEACHERS HIRED AFTER 2011 BUT BEFORE 2022 AND WORKING IN DEPT ‘CS’.

ANS: SELECT T.\*, PH\_NO,LOCATION

FROM TEACHER T, STUDENT S

WHERE T.TID=S.TID AND SNAME LIKE ‘%A\_’ AND S.GENDER=’MALE’ AND

HIREDATE BETWEEN ’01-JAN-2012’ AND ’31-DEC- 2021’ AND

DEPARTMENT = ‘CS’;

15. WAQTD NAME AND SALARY OF TEACHER ALONG WITH STUDENT NAME AND PH\_NO , IF TEACHERS HIRED BEFORE 2022 AND STUDENTS DOB IS GREATER THAN 2000 AND STUDENT AGE IS MORE THAN TEACHERS AGE.

ANS: SELECT TNAME, SALARY, SNAME, PH\_NO

FROM TEACHER T,STUDENT S

WHERE T.TID=S.TID AND HIREDATE< ’01-JAN-2022’ AND DOB > ’31-DEC-2000’ AND

S.AGE > T.AGE;

16. WAQTD PH\_NO,DOB OF STUDENT AND SALARY,EXPERIENCE,DEPARTMENT OF TEACHER, IF STUDENTS ARE STUDYING IN BRANCH ‘BE-CIV’ AND SID SHOULD BE GREATER THAN 1002 AND TEACHER SHOULD HAVE EXACTLY 5 DIGIT SALARY AND HIRED IN MARCH.

ANS: SELECT PH\_NO , DOB, SALARY, EXPERIENCE , DEPARTMENT

FROM TEACHER T,STUDENT S

WHERE T.TID=S.TID AND BRANCH=’BE’CIV’ AND SID > 1002 AND SALARY LIKE ‘\_\_\_\_\_’

AND HIREDATE LIKE ‘%MAR%’;

17. WAQTD NAME , SALARY ,GENDER OF TEACHERS AND STUDENTS NAME ,BRANCH,AGE, IF TEACHERS ARE HAVING LAST 2 DIGIT AS ‘0’ IN THERE SALARY AND STUDENTS BORN IN FEBURARY AND STUDENTS ARE FROM BANGLORE.

ANS: SELECT TNAME,SALARY,T.GENDER,SNAME,BRANCH,S.AGE

FROM TEACHER T,STUDENT S

WHERE T.TID=S.TID AND SALARY LIKE ‘%00’ AND DOB LIKE ‘%FEB% AND

LOCATION = ‘BANGALORE’;

18. WAQTD DETAILS OF STUDENTS AND TEACHERS ALONG WITH TEACHERS ANNUAL SALARY, IF TEACHERS HAVE EXPERIENCE MORE THAN 5 YEARS BUT LESS THAN 12 YEARS AND STUDENTS HAVE 2 TIMES ‘A’ IN THERE NAME.

ANS: SELECT S.\*,T.\*,SALARY\*12 AS ANNUAL\_SALARY

FROM TEACHER T,STUDENT S

WHERE T.TID=S.TID AND EXPERIENCE BETWEEN 6 AND 11 AND SNAME LIKE ‘%A%A%’;

19. WAQTD NAME OF STUDENT AND TEACHER ALONG WITH THERE AGE ,IF STUDENTS ARE FROM CHENNAI,DELHI AND ONLY MALE STUDENTS AND TEACHER WORKING IN DEPARTMENT ‘IT’ OR ‘CS’ AND SALARY LESS THAN 50000 AND HIRED AFTER ’01-JAN-2014’.

ANS: SELECT SNAME,S.AGE,TNAME,T.AGE

FROM TEACHER T,STUDENT S

WHERE T.TID=S.TID AND LOCATION IN (‘CHENNAI’,’DELHI’) AND S.GENDER=’MALE’

AND DEPARTMENT IN (‘IT’,’CS’) AND SALARY < 50000 AND

HIREDATE > ’01-JAN-2014’ ;

20. WAQTD DETAILS OF TEACHERS ALONG WITH STUDENT NAME ,LOCATION AND AGE ,IF STUDENTS ARE STUDYING IN BRANCH EXCEPT ‘ME-CS’ AND NOT HIRED IN YEAR 2000 AND TEACHERS SHOULD NOT WORK IN DEPARTMENT ‘CS’ AND ‘CIVIL’ AND AGE IS MORE THAN STUDENTS.

ANS: SELECT T.\*,SNAME,LOCATION,S.AGE

FROM TEACHER T,STUDENT S

WHERE T.TID=S.TID AND BRANCH NOT IN (‘ME-CS’) AND HIREDATE NOT LIKE ‘%2000’

AND DEPARTMENT IN (‘CS’,’CIVIL’) AND T.AGE > S.AGE;