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| --- | --- | --- | --- | --- | --- | --- |
| **Exp. No** | **Conducted on** | **Submitted On** | **Date of Late Submission**  **(if Any)** | **Max Marks Allotted** | **Marks Obtained** | **Faculty Signature** |
| 1 |  |  |  | 10 |  |  |
| **Exp Title** | NESTED QUERIES | | | | | |

**Aim To study and implement the Nested Queries.**

**Syntax (for all DDL Commands)**

Finding **C\_ID** for **C\_NAME** =’DSA’ or ‘DBMS’

Select **C\_ID** from **COURSE** where **C\_NAME** = ‘DSA’ or **C\_NAME**

=

Using **C\_ID** of step 1 for finding **S\_ID**

Select **S\_ID** from **STUDENT\_COURSE** where **C\_ID** IN

(SELECT **C\_ID** from **COURSE** where **C\_NAME** = ‘DSA’ or **C\_NAME**=’DBMS’);

‘DBMS’

**Queries (for all DDL Commands)**

CREATE TABLE student\_info

( S\_ID VARCHAR(30) NOT NULL,

S\_NAME VARCHAR(30) NOT NULL,

S\_ADDRESS VARCHAR(30) NOT NULL,

S\_PHONE bigint,

S\_AGE INT

);

INSERT INTO student\_info(S\_ID,S\_NAME,S\_ADDRESS,S\_PHONE,S\_AGE)

values("S1","Ram","Delhi",8789546524,28),

("S2","Sam","Delhi",5789546524,30),

("S3","Preeti","Delhi",2589546524,41),

("S4","Khusi","Delhi",5789546524,24),

("S5","Sejal","Delhi",9589546524,22);

select\*from student\_info;

CREATE TABLE course

( C\_ID VARCHAR(30) NOT NULL,

C\_NAME VARCHAR(30) NOT NULL);

INSERT INTO course(C\_ID,C\_NAME)

values("C1","DSA"),

("C3","PROGRAMMING"),

("C2","DBMS");

select\*from course;

CREATE TABLE STUDENT\_COURSE

( S\_ID VARCHAR(30) NOT NULL,

C\_ID VARCHAR(30) NOT NULL

);

INSERT INTO STUDENT\_COURSE(S\_ID,C\_ID)

values("S1","C1"),

("S2","C2");

Select S\_NAME from student\_info where S\_ID IN

(Select S\_ID from STUDENT\_COURSE where C\_ID IN

(SELECT C\_ID from COURSE where C\_NAME="DSA" or C\_NAME="DBMS"));

Select S\_NAME from student\_info where S\_ID IN

(Select S\_ID from STUDENT\_COURSE where C\_ID IN

(SELECT C\_ID from COURSE where C\_NAME="DBMS" or C\_NAME="PROGRAMMING"));

**Result**

S1|Ram|Delhi|8789546524|28

S2|Sam|Delhi|5789546524|30

S3|Preeti|Delhi|2589546524|41

S4|Khusi|Delhi|5789546524|24

S5|Sejal|Delhi|9589546524|22

C1|DSA

C3|PROGRAMMING

C2|DBMS

Ram

Sam

Sam





