**LAB - 7**

**20|02|2023**

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**CSE-24**

**21052264**

CREATE TABLE STUDENT\_INFO(

ROLL INT,

NAME VARCHAR(20),

PHONE INT,

CONSTRAINT STINFO\_PK PRIMARY KEY(ROLL)

);

CREATE TABLE ST\_MARKS(

ROLL INT,

SUB1 INT,

SUB2 INT

);

ALTER TABLE ST\_MARKS ADD CONSTRAINT ST\_FK FOREIGN KEY(ROLL) REFERENCES STUDENT\_INFO(ROLL) ON DELETE CASCADE;

INSERT INTO STUDENT\_INFO VALUES

(101,'AAA', 12345),

(102, 'BBB', NULL),

(103,'CCC', 23456),

(104,'DDD', NULL),

(105, 'EEE', 34567),

(106,'FFF', NULL),

(107,'AAA', NULL),

(108, 'BBB', NULL);

INSERT INTO ST\_MARKS VALUES

(101, 80, 85),

(102, 70, 75),

(103, 60, NULL),

(104, 60, 90),

(108, 65, NULL);

SELECT ROLL FROM ST\_MARKS WHERE SUB1+SUB2>150;

SELECT \* FROM STUDENT\_INFO WHERE ROLL IN(101,102,103);

SELECT \* FROM STUDENT\_INFO WHERE ROLL BETWEEN 101 AND 103;

SELECT NAME FROM STUDENT\_INFO WHERE ROLL IN(SELECT ROLL FROM ST\_MARKS WHERE SUB1+SUB2>150);

SELECT STUDENT\_INFO.NAME FROM STUDENT\_INFO, ST\_MARKS WHERE STUDENT\_INFO.ROLL=ST\_MARKS.ROLL AND ST\_MARKS.SUB1+ST\_MARKS.SUB2>150;

SELECT I.NAME FROM STUDENT\_INFO AS I, ST\_MARKS AS M WHERE I.ROLL=M.ROLL AND M.SUB1+M.SUB2>150;

SELECT \* FROM (STUDENT\_INFO INNER JOIN ST\_MARKS ON STUDENT\_INFO.ROLL=ST\_MARKS.ROLL) WHERE ST\_MARKS.SUB1+ST\_MARKS.SUB2>150;