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Executive-M.Tech AI & DSE
Home work 2
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CREATE TABLE students (roll INT, name VARCHAR(20), age INT, city VARCHAR(20),
PRIMARY KEY (roll) );
INSERT INTO students (roll, name, age, city) VALUES ('1', 'Rahul', '20',
'Delhi');
INSERT INTO students (roll, name, age, city) VALUES ('2', 'Sohan', '15',
'Patna');
INSERT INTO students (roll, name, age, city) VALUES ('3', 'Ram', '55',
INSERT INTO students (roll, name, age, city) VALUES ('4', 'Niku', '58',
'Bannglore');
INSERT INTO students (roll, name, age, city) VALUES ('5', 'Piku', '21',
'Gurgaon');
INSERT INTO students (roll, name, age, city) VALUES ('6', 'Raj', '30', 'Delhi');
INSERT INTO students (roll, name, age, city) VALUES ('7', 'Nimi', '45',
INSERT INTO students (roll, name, age, city) VALUES ('8', 'Kumar', '35',
'Noida');
Answer 1: SELECT city, COUNT(roll) from students GROUP BY city;
Answer 2: SELECT city, COUNT(roll) from students WHERE age > 29 GROUP BY city;
Answer 3: SELECT roll, name, age FROM students ORDER BY age desc;
Answer 4: SELECT * FROM students WHERE age between 25 and 35;
Answer 5: SELECT city, COUNT(roll) FROM students GROUP BY city HAVING
COUNT(roll) > 1;
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CREATE TABLE sq (num INT, square INT, PRIMARY KEY (num) );
INSERT INTO sq (num , square) VALUES (2, 4);
INSERT INTO sq (num , square) VALUES (3, 9);
INSERT INTO sq (num , square) VALUES (4, 16);
CREATE TABLE cu (num INT, cube INT, PRIMARY KEY (num) );
INSERT INTO cu (num , cube) VALUES (2, 8);
INSERT INTO cu (num , cube) VALUES (3, 27);
INSERT INTO cu (num , cube) VALUES (5, 125);
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Select sq.num, sq.square, cu.cube FROM sq join cu;
Select sq.num, sq.square, cu.cube FROM sq cross join cu;
Select sq.num, sq.square, cu.cube FROM sq natural join cu;
Select sq.num, sq.square, cu.cube FROM sq inner join cu on sq.num > cu.num;
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