

ACCS-16405 RDBMS, Tutorial Sheet 3
4TH CSE –2 BATCH(2020-2024)

1. What is a sub query? Why is it used? What are its types ?
2. Write the syntax for create table, insert into, delete and update statements in SQL.
3. Create the following tables

S (SNo is primary key)

<u>SNo</u>	<u>SNAME</u>	<u>STATUS</u>	<u>CITY</u>
S1	Smith	10	London
S2	Clark	20	Rome
S3	Blake	30	Paris
S4	Adam	40	Amsterdam
S5	Ford	50	New York

P (PNo is primary key)

<u>PNo</u>	<u>PNAME</u>	<u>WT</u>	<u>COLOR</u>	<u>CITY</u>
P1	Nut	100	Red	London
P2	Bolt	200	Black	London
P3	Screw	300	Black	Paris
P4	Nut	250	Blue	New York

SP (SNo and PNo are FKs)

<u>SNo</u>	<u>PNo</u>	<u>QTY</u>
S1	P1	100
S1	P2	250
S2	P1	250
S2	P2	300
S3	P2	175
S1	P3	250
S3	P3	350

4. Write the sub query, join, natural join, join using, join on for the following queries based on tables created in Question 3:
 - (a) List all supplier details for supplier S1
 - (b) List all supplier details for a supplier who sells a part in excess of 200
 - (c) List all part details for a part which is sold in excess of 150
 - (d) List all supplier details for a supplier who sells a part which is red in color and quantity is in excess of 250
 - (e) List all part details for a part sold in a quantity in excess of 220 and by a supplier from London. Also the color of part should be red or blue.
5. Create a table with the following columns:

King name, dynasty, capital,doj,doe. Insert atleast 10 records in th is table ranging both from BC andAD periods. Answer the following queries:

- (a) List all kings from BC period.
- (b) List all kings whose capital starts with the letter 'P'
- (c) List all kings from AD period.
- (d) List all kings having tenure of over 5 years.
- (e) List all kings from 'Gupta dynasty' who ruled for more than 2 years