

Database Technologies – Assignment 1

1. Create 'spj' database'.
2. Create following tables in spj database.

```
CREATE TABLE S(S# CHAR(5) NOT NULL, Sname CHAR(20), status SMALLINT, city CHAR(15));
```

TABLE S

S#	Sname	status	city
S1	Smith	20	London
S2	Jones	10	Paris
S3	Blake	30	Paris
S4	Clark	20	London
S5	Adams	30	Athens

CREATE TABLE P

```
(P# CHAR(6) NOT NULL, Pname CHAR(20), color CHAR(6), weight SMALLINT , city CHAR(15));
```

TABLE P

P#	Pname	Color	Weight	City
P1	Nut	Red	12	London
P2	Bolt	Green	17	Paris
P3	Screw	Blue	17	Rome
P4	Screw	Red	14	London
P5	Cam	Blue	12	Paris
P6	Cog	Red	19	London

```
CREATE TABLE J (J# CHAR(4) NOT NULL, Jname CHAR(10), City CHAR(15));
```

TABLE J

J#	Jname	City
J1	Sorter	Paris
J2	Punch	Rome
J3	Reader	Athens
J4	Console	Athens
J5	Collator	London
J6	Terminal	Oslo
J7	Tape	London

Database Technologies – Assignment 1

```
CREATE TABLE sp (S# CHAR(4) NOT NULL, P# CHAR(4) NOT NULL, J# CHAR(4) NOT NULL, QTY INT);
```

TABLE SP

S#	P#	J#	QTY
S1	P1	J1	200
S1	P1	J4	700
S2	P3	J1	400
S2	P3	J2	200
S2	P3	J3	200
S2	P3	J4	500
S2	P3	J5	600
S2	P3	J6	400
S2	P3	J7	800
S2	P5	J2	100
S3	P3	J1	200
S3	P4	J2	500
S4	P6	J3	300
S4	P6	J7	300
S5	P2	J2	200
S5	P2	J4	100
S5	P5	J5	500
S5	P5	J7	100
S5	P6	J2	200
S5	P1	J4	100
S5	P3	J4	200
S5	P4	J4	800
S5	P5	J4	400
S5	P6	J4	500

NOTE – Database Creation and user Creation, assigning privileges is responsibility of Database Administrator (root)

1. Create 'classwork' database. Import classwork-db.sql.
2. Create 'hr' database. Import hr-db.sql.
3. Create 'sales' database. Import sales-db.sql.
4. List all tables in classwork database. Display contents of all tables (one by one).
5. List all tables in sales database. Display contents of all tables (one by one).

Answer the following questions (by observations only – not queries).

1. How many orders data is present in the database?
2. How many customers are present in the database?
3. How many salespeople are present in the database?
4. On which date order with highest amount is placed?
5. For which order salesman got maximum commission? Hint: you need to refer data of two tables.
6. Which salesman's are handling more than two customers? Hint: you need to refer data of two tables.
7. Which city have single customer?
8. Which city has multiple salespeople?
9. What is name of customer and salesman of the maximum amount order?
10. Study relationship between the tables in sales database.

