

### Exercise-4

#### Supplier – Parts Database

1. SUPPLIER(SID,SNAME,CITY)
2. PARTS(PID,PNAME,COLOR)
3. ORDERS(SID,PID,QUANTITY)

/\* SUPPLIER\*/

SID	SNAME	CITY
S1	SMITH	LONDON
S2	JONES	PARIS
S3	BLAKE	PARIS
S4	CLARK	LONDON
S5	ADAMS	ATHENS

/\* PARTS\*/

PID	PNAME	COLOR
P2	BOLT	GREEN
P3	SCREW	BLUE
P4	SCREW	RED
P5	CAM	BLUE
P6	COG	RED
P1	NUT	RED

/\* ORDERS \*/

SID	PID	QUANTITY
S1	P2	200
S1	P3	400
S1	P4	200
S1	P5	100
S1	P6	100
S2	P1	300
S2	P2	400
S3	P2	200
S4	P2	200
S4	P4	300

#### Questions:

1. Get sid, sname for non-paris parts.
2. Get full details of all suppliers.
3. Get the total no of suppliers.
4. Get maximum and minimum quantity for part p2.
5. For each part supply gets the partno and total shipment quantity.
6. Get part number for all parts supplied by more than one supplier.
7. Get supplier names for suppliers who supplied atleast one red part.
8. Get the names of suppliers who supply the part p2.
9. Get the supplier names for suppliers who do not supply part p2.
10. Get snames who supply all parts.
11. Get pnames for parts supplied by some xyz supplier and by no one else.
12. Find the sid of suppliers who supply red or green parts.
13. Find the sid of suppliers who supply both red and green parts.