**ASSIGNMENT -11**

**Consider the following schema of SUPPLIER database**

**SUPPLIER (supp\_id, supp\_name, supp\_cit, supp\_status)**

**PARTS (part\_no, part\_name, part colour, part\_weight, part\_city)**

**SUPP\_PARTS (supp\_id, part\_no, quantity)**

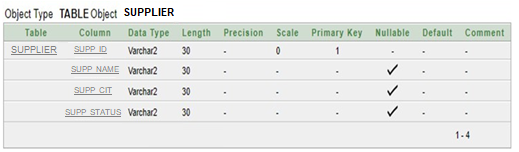
**PROGRAM:**

create table SUPPLIER(supp\_id varchar2(30) primary key,supp\_name varchar2(30),supp\_cit varchar2(30),supp\_status varchar2(30));

**OUTPUT:** Table created.

**PROGRAM:** Describe Supplier;

**OUTPUT:**



**PROGRAM:**

insert into supplier values('s1','sarla', ,'mumbai',20);

insert into supplier values('s2','uma','chennai',10);

insert into supplier values('s3','nehru','mumbai',30);

insert into supplier values('s4','priya','mumbai',20);

insert into supplier values('s5','anand','delhi',30);

**PROGRAM:** select \* from supplier;

**OUTPUT:**



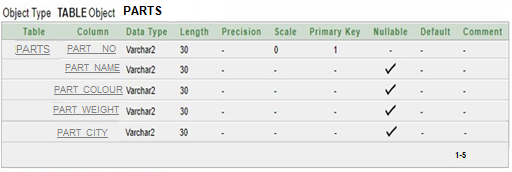
**PROGRAM:**

create table PARTS(part\_no varchar2(30) primary key,part\_name varchar2(30),part\_colour varchar2(30),part\_weight varchar2(30),part\_city varchar2(30));

**OUTPUT:** Table created.

**PROGRAM:** Describe Parts;

**OUTPUT:**

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**PROPGRAM:**

insert into parts values('P1' ,'NUT','RED',12,'MUMBAI');

insert into parts values('P2','BOLT','GREEN',17,'CHENNAI');

insert into parts values('P3','SCREW','BLUE',17,'BENGALURU');

insert into parts values('P4','SCREW','RED',14,'MUMBAI');

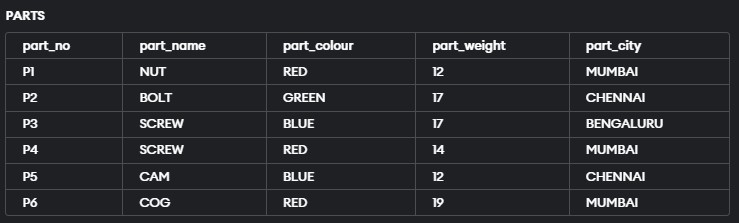
insert into parts values('P5','CAM','BLUE',12,'CHENNAI');

insert into parts values('P6','COG','RED',19,'MUMBAI');

**PROPGRAM:**

select \* from parts;

**OUTPUT:**

****

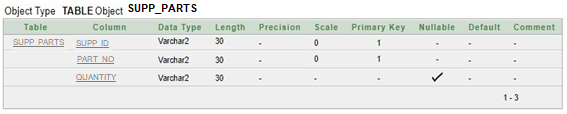
**PROGRAM:**

create table SUPP\_PARTS(supp\_id varchar2(30) ,part\_no varchar2(30),quantity varchar2(30), foreign key(supp\_id) references supplier(supp\_id),foreign key(part\_no) references parts(part\_no));

**OUTPUT:** Table created.

**PROGRAM:** Describe Supp\_Parts;

**OUTPUT:**



**PROGRAM:**

insert into supp\_parts values('s1','p1',300);

insert into supp\_parts values('s1','p2',200);

insert into supp\_parts values('s1','p3',400);

insert into supp\_parts values('s1','p4',200);

insert into supp\_parts values('s1','p5',100);

insert into supp\_parts values('s1','p6',100);

insert into supp\_parts values('s2','p1',300);

insert into supp\_parts values('s2','p2',400);

insert into supp\_parts values('s3','p2',400);

insert into supp\_parts values('s4','p2',200);

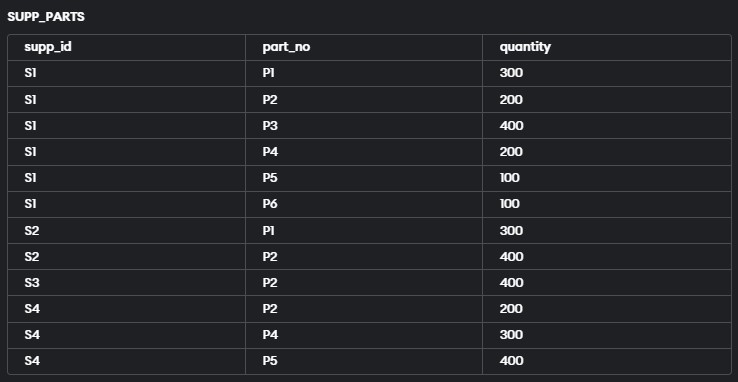
insert into supp\_parts values('s4','p4',300);

insert into supp\_parts values('s4','p5',400);

**PROGRAM:**

Select \* From Supp\_Parts;

**OUTPUT:**

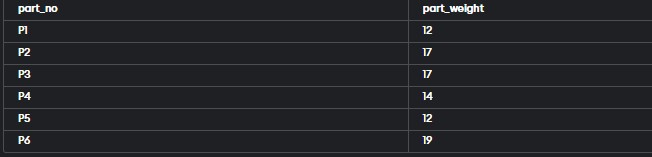


**1. For all parts, get the part no and weight of that part.**

**PROGRAM:**

select part\_no,part\_weight from parts;

**OUTPUT:**

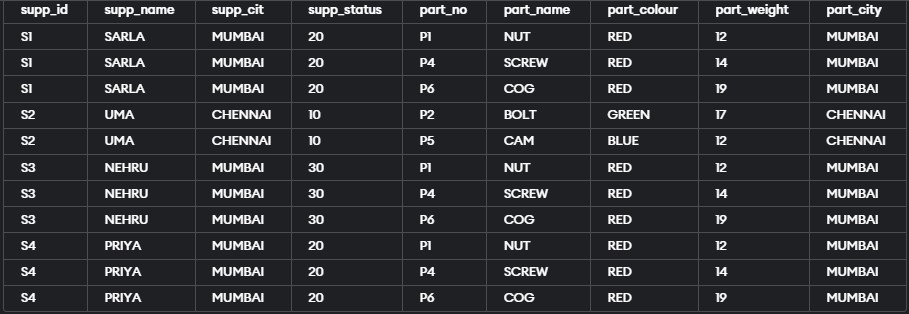


**2. Get all combinations of supplier and part such that both are co-located.**

**PROGRAM:**

select \* from supplier,parts where supp\_cit = part\_city;

**OUTPUT:**

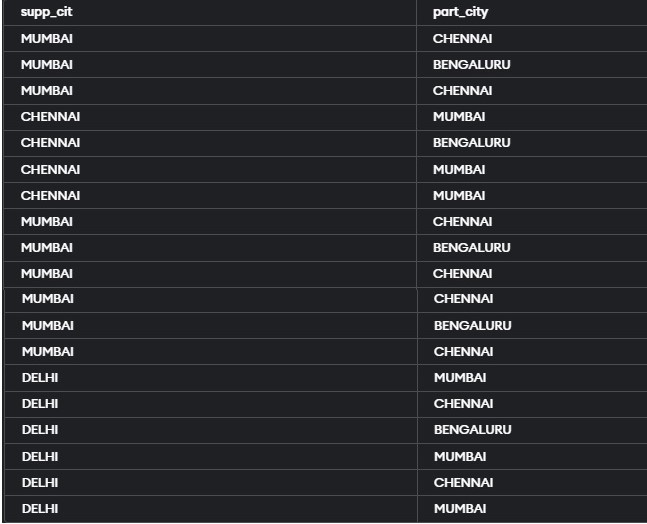


**3. Get all pairs of city names such that a supplier located in first city supplies a part stored in another city.**

**PROGRAM:**

select supp\_cit,part\_city from supplier,parts where supp\_cit != part\_city;

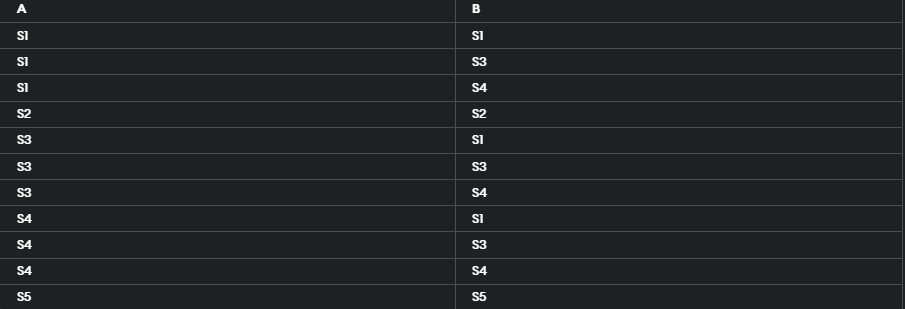
**OUTPUT:**



**4. Get all pairs of supplier ids such that the two are co-located.**

**PROGRAM:** select a.supp\_id as A ,b.supp\_id as B from supplier A JOIN supplier B ON a.supp\_cit = b.supp\_cit;

**OUTPUT:**



**5. Obtain the total no of suppliers.**

**PROGRAM:** select count(supp\_id) from supplier ;

**OUTPUT:**

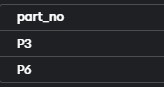


**6. Find the part ids for which there is only one supplier.**

**PROGRAM:**

select part\_no from supp\_parts group by part\_no having count(supp\_id)=1;

**OUTPUT:**



**7. Find the part ids for which there is more than one supplier.**

**PROGRAM:**

select part\_no from supp\_parts group by part\_no having count(supp\_id)!=1;

**OUTPUT:**

