SQL EXERCISE – 09/07/2021

/*Creating Table*/

```
create table Table1Sruthi(
    A_Id int primary key,
    A_Name varchar(20),
    A_Contact varchar(10),
    A_DOB date
)

Alter table Table1Sruthi
Add A_Grade char;
```

/*Inserting values*/

```
insert into Table1Sruthi
values (1,'sam','9876543210','1989-10-5','A'),
       (2,'mark','9890236548','1997-1-7','F'),
       (3,'rick','9987543218','1895-11-8','E'),
       (4,'fred','9876598745','1984-5-12','C'),
       (5,'gray','9888856972','1981-6-17','B'),
       (6,'Michel','9874563214','2010-5-5','A');
```

/*Creating Table*/

```
create table Table2Sruthi(
    B_Id int primary key,
    A_Id int,
    B_Region varchar(20),
    B_Phone varchar(10),
    B_Date date,
    Foreign Key (A_Id) References Table1Sruthi(A_Id)
);

Alter table Table2Sruthi
Add A_Initial char;
```

/*Inserting values*/

```
insert into Table2Sruthi
values (11,5,'India','9888856972','1989-8-5','B'),
       (12,1,'Us','9876543210','1997-12-7','F'),
       (13,6,'Uk','9874563214','1895-1-8','E'),
       (14,2,'France','9890236548','1984-4-12','C'),
        (15,3,'Australia','9987543218','1989-11-2','A');


Update Table2Sruthi
set B_Region = 'India'
where B_Id = 15;

Update Table2Sruthi
set A_Initial = 'A'
where B_Id = 13;
```

/*Display tables*/

```
select * from table1sruthi
```



```
select * from table2sruthi
```

/*SQL AND,OR,NOT and STRINGS*/

```
select a_name, a_grade
from table1sruthi
where a_grade='A' or a_grade='B';
```



```
select b_region, b_phone
from table2sruthi
where b_region='India' and a_initial='A';
```

```sql
select b_region, b_phone
from table2sruthi
where not b_region='India'
```



```sql
select a_name
from table1sruthi
where a_name LIKE '%k'
```

/*Aggregate Functions*/
/*MIN, MAX, COUNT, SUM, AVG, DISTINCT*/

```
select count(b_id)
from table2sruthi
```



```
select Distinct(b_region) as Region
from table2sruthi
```
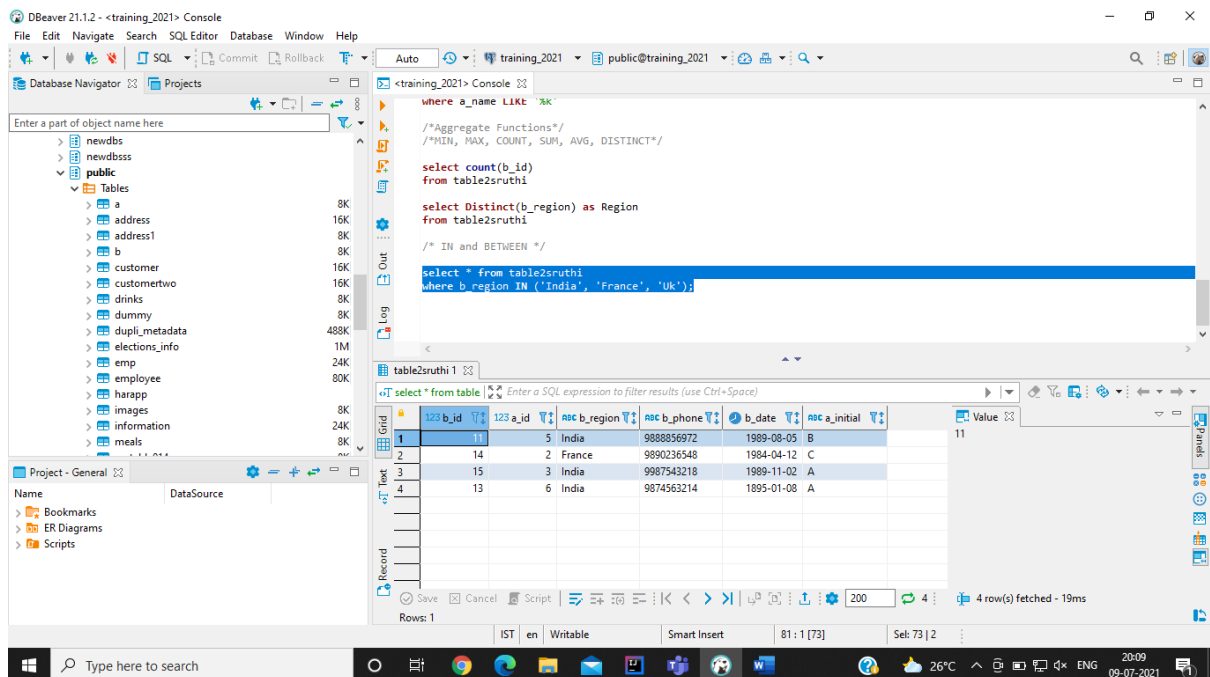
/* IN, NOTIN and BETWEEN, NOTBETWEEN */

```sql
select * from table2sruthi
where b_region in ('India', 'France', 'Uk');
```



```sql
select * from table2sruthi
where b_region not in ('India', 'France', 'Uk');
```
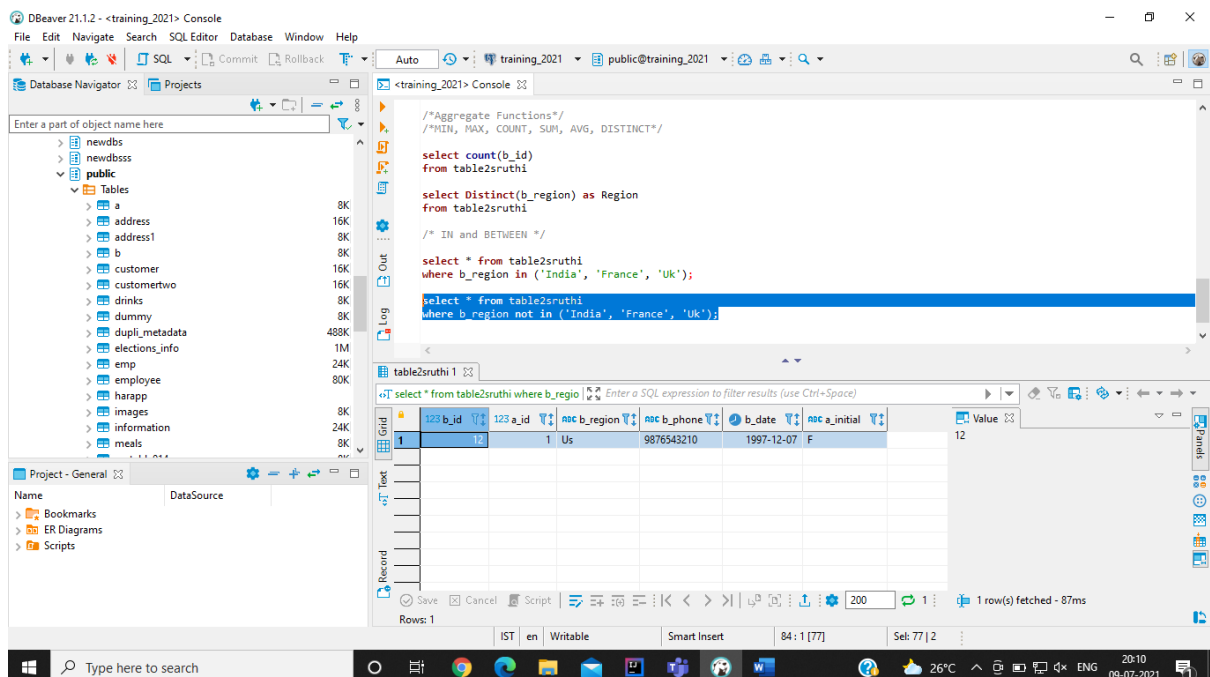
```sql
select a_name, a_contact
from table1sruthi
where a_id between 3 and 5
```



```sql
select a_name, a_contact
from table1sruthi
where a_id not between 3 and 5
```

/*UNION and UNION ALL*/

```sql
select a_id from table1sruthi
union
select a_id from table2sruthi
order by a_id;
```



```sql
select a_id from table1sruthi
union all
select a_id from table2sruthi
order by a_id;
```