**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;

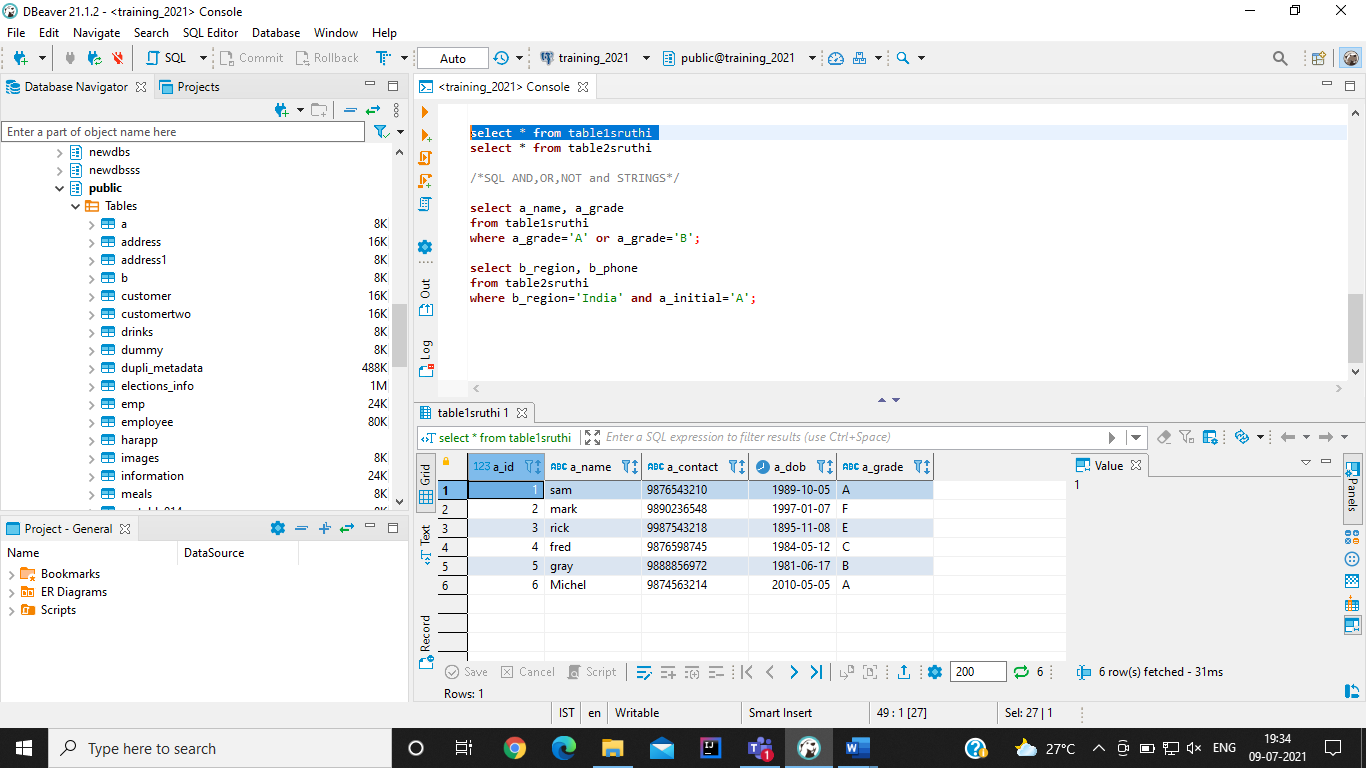
**Update** Table2Sruthi

**set** A\_Initial = 'A'

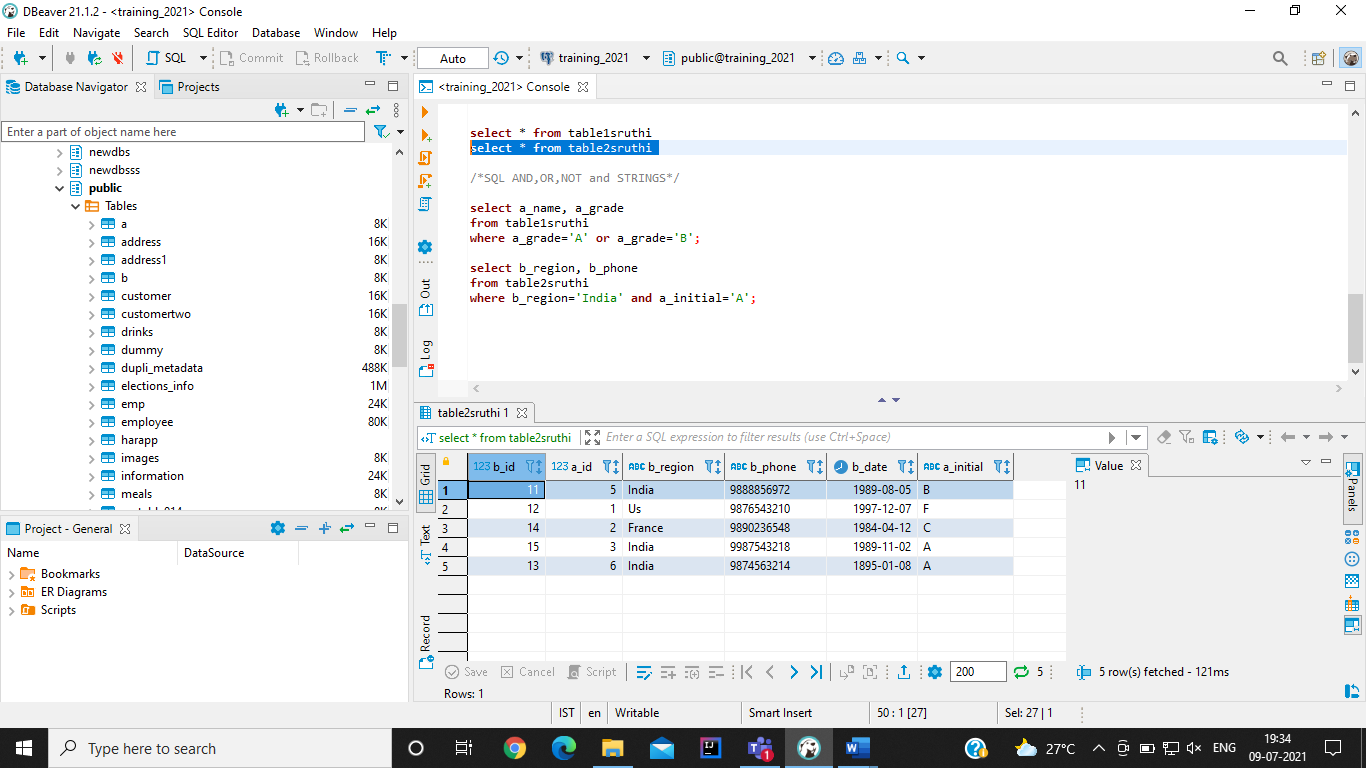
**where** B\_Id = 13;

**/\*Display tables\*/**

**select** \* **from** table1sruthi



**select** \* **from** table2sruthi

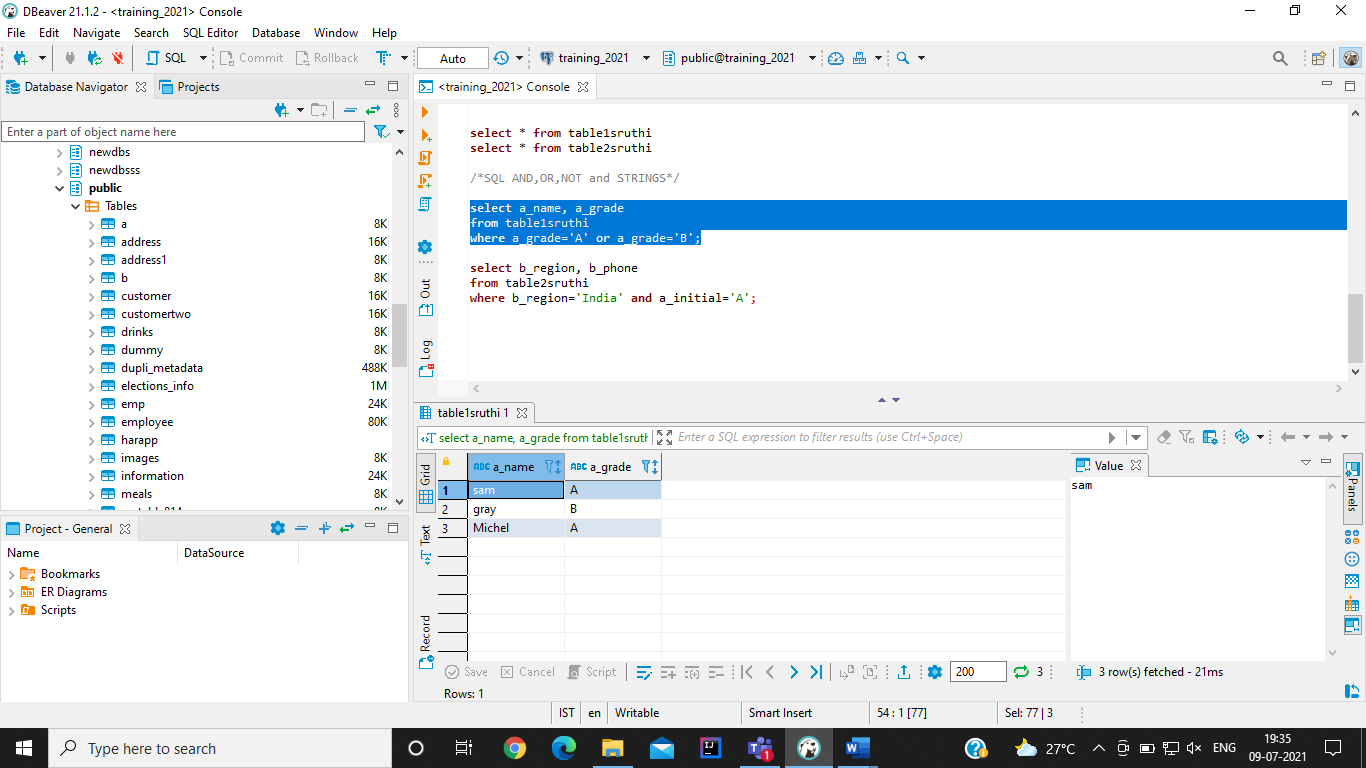


**/\*SQL AND,OR,NOT and STRINGS\*/**

**select** a\_name, a\_grade

**from** table1sruthi

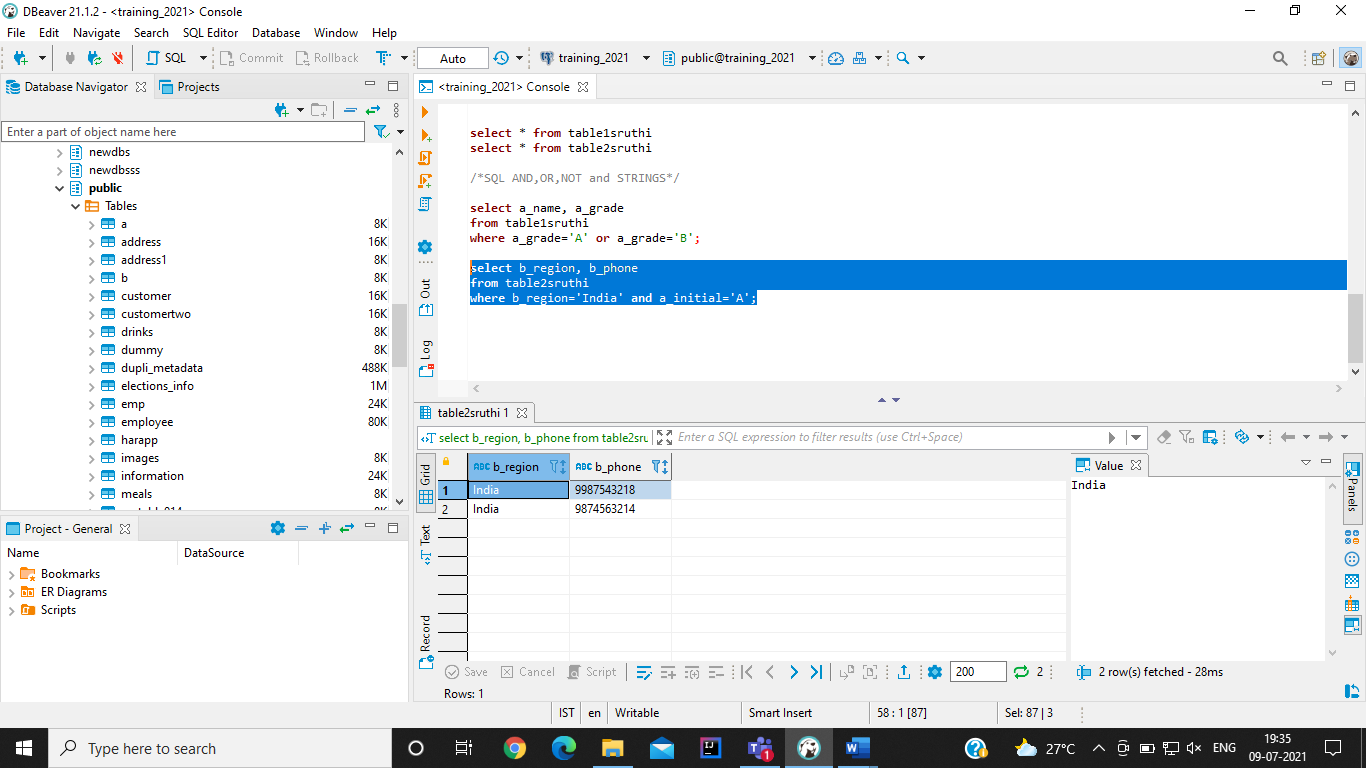
**where** a\_grade='A' **or** a\_grade='B';



**select** b\_region, b\_phone

**from** table2sruthi

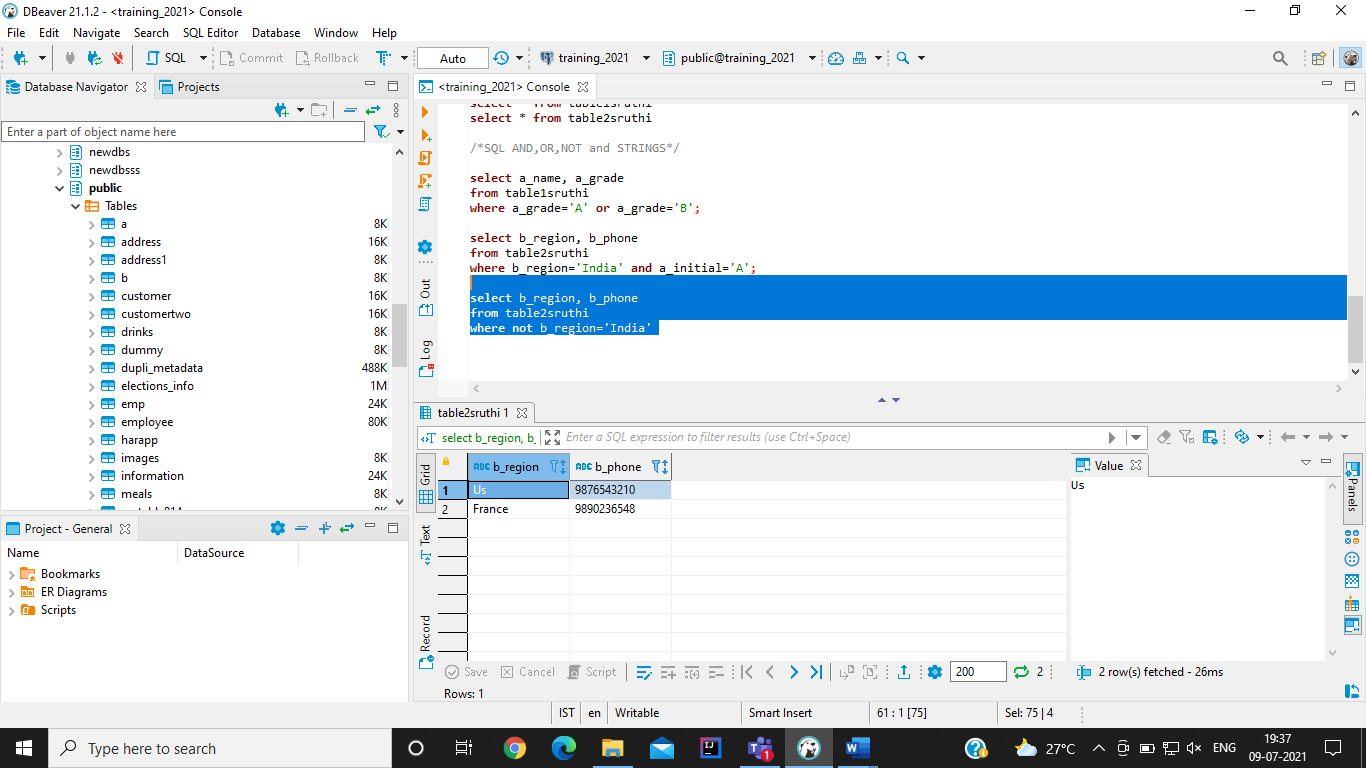
**where** b\_region='India' **and** a\_initial='A';



**select** b\_region, b\_phone

**from** table2sruthi

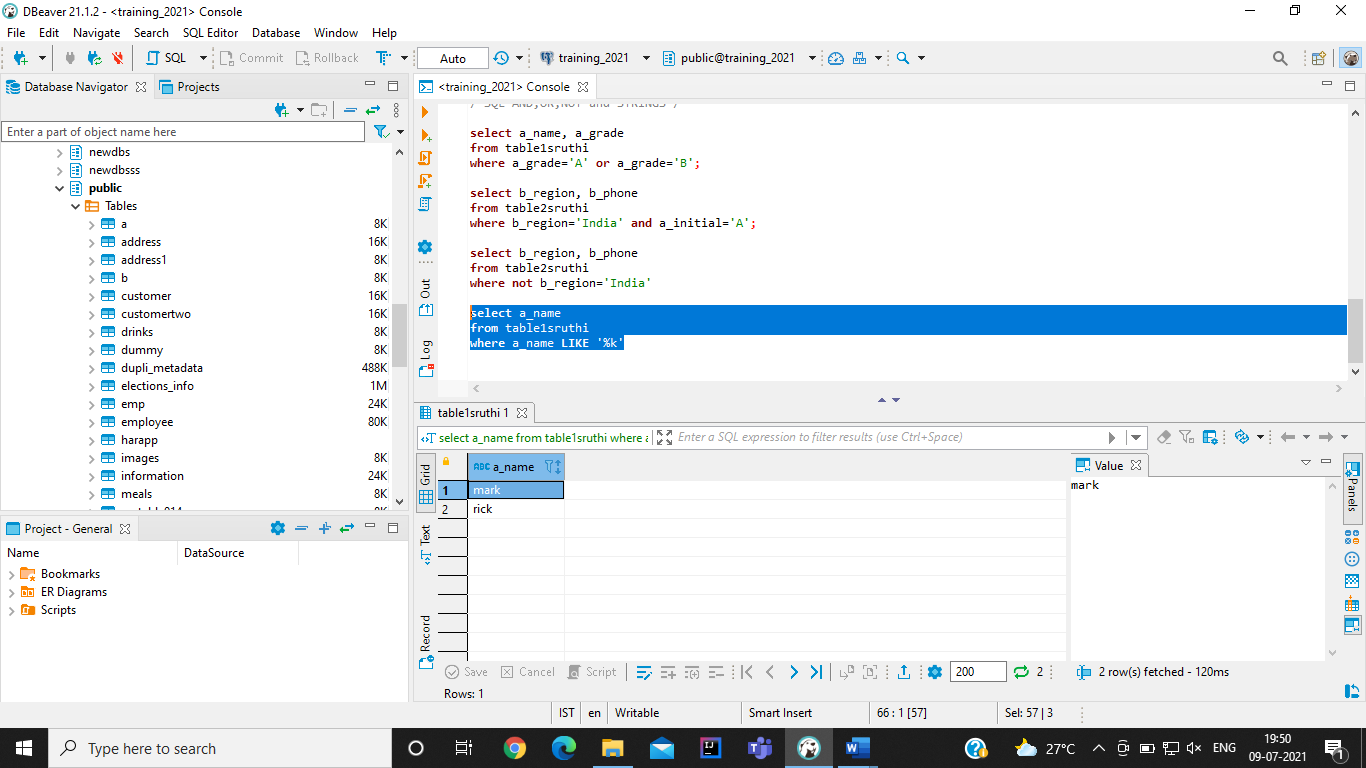
**where** **not** b\_region='India'



**select** a\_name

**from** table1sruthi

**where** a\_name **LIKE** '%k'

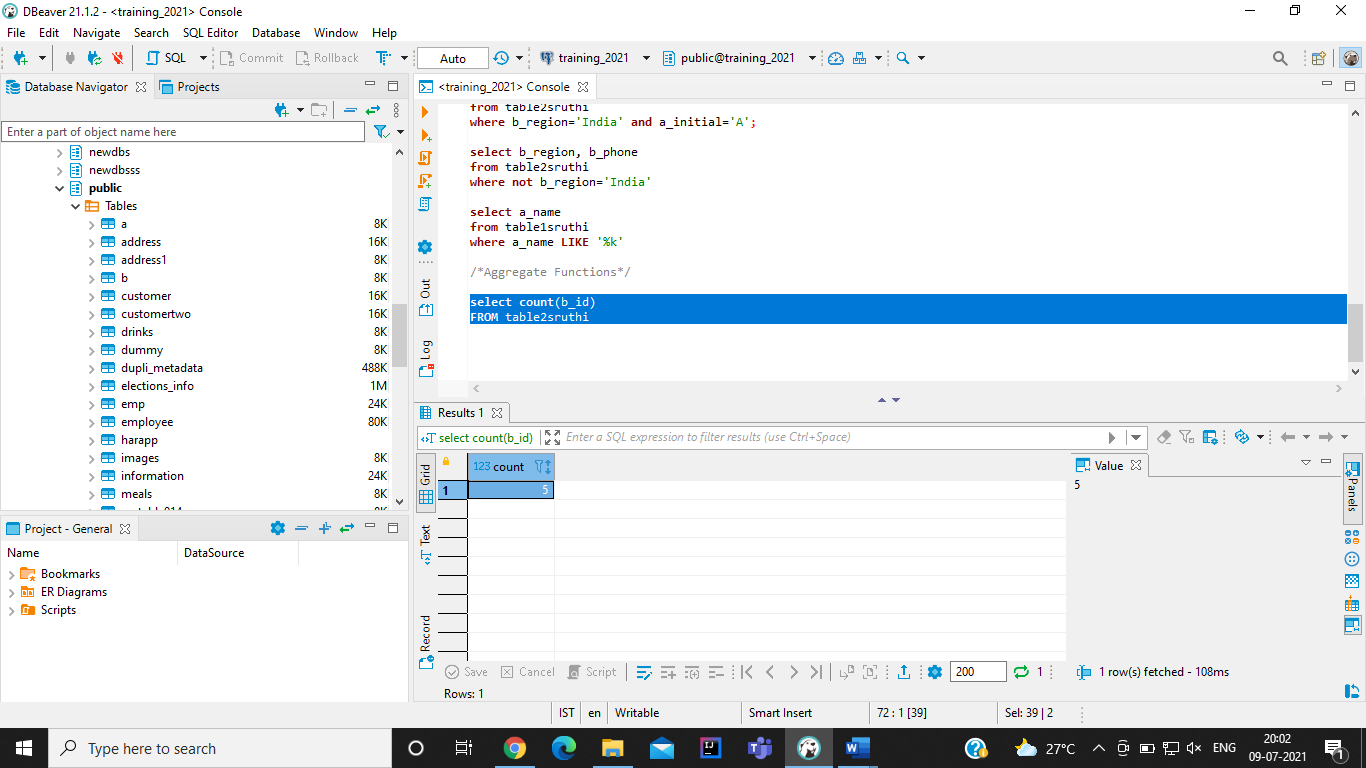


**/\*Aggregate Functions\*/**

**/\*MIN, MAX, COUNT, SUM, AVG, DISTINCT\*/**

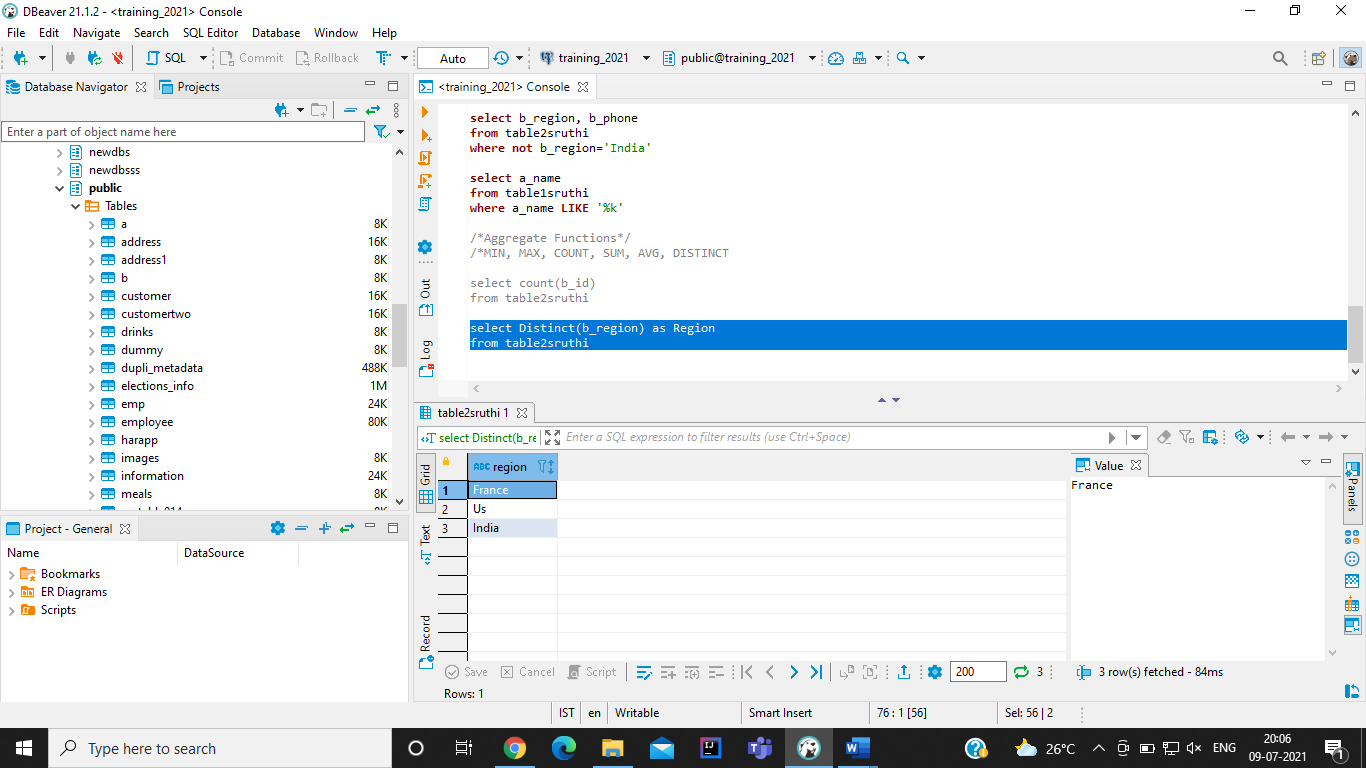
**select** **count**(b\_id)

**from** table2sruthi



**select** **Distinct**(b\_region) **as** Region

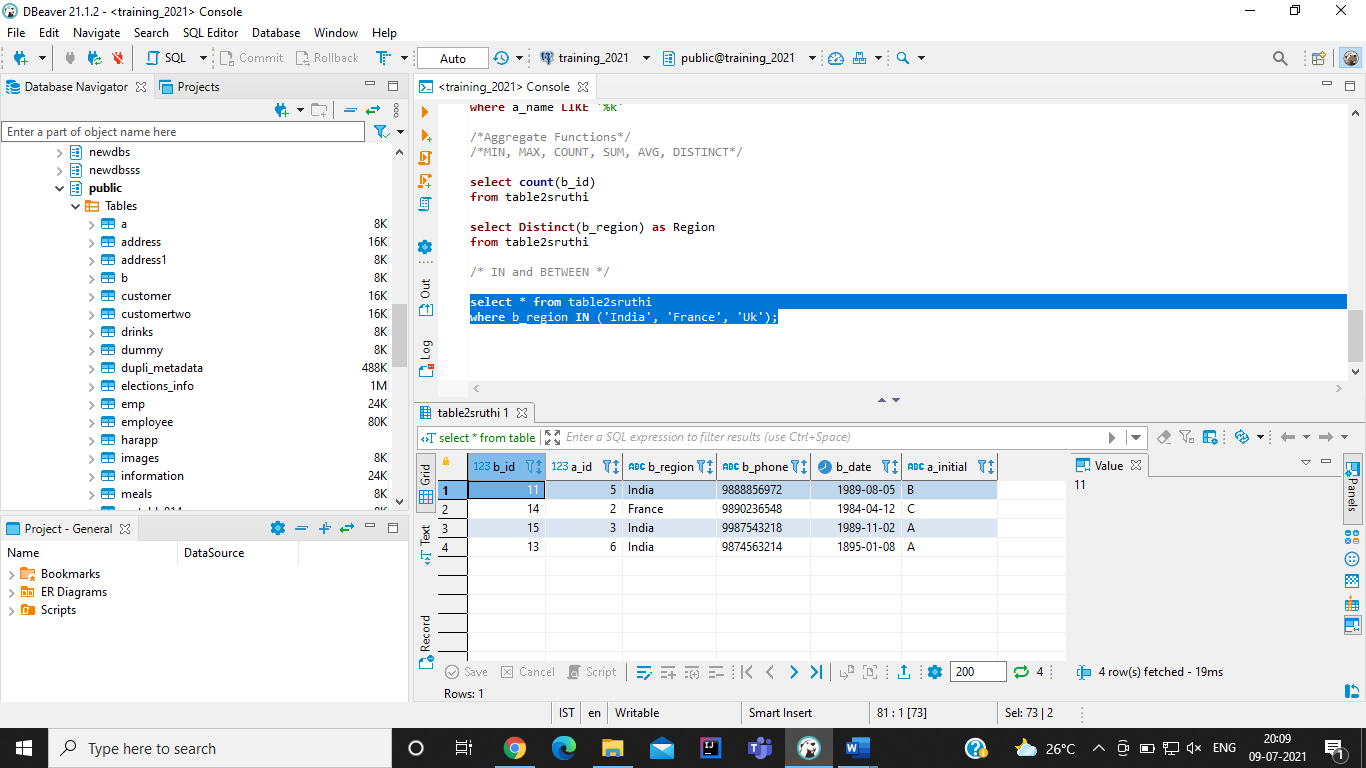
**from** table2sruthi



**/\* IN, NOTIN and BETWEEN, NOTBETWEEN \*/**

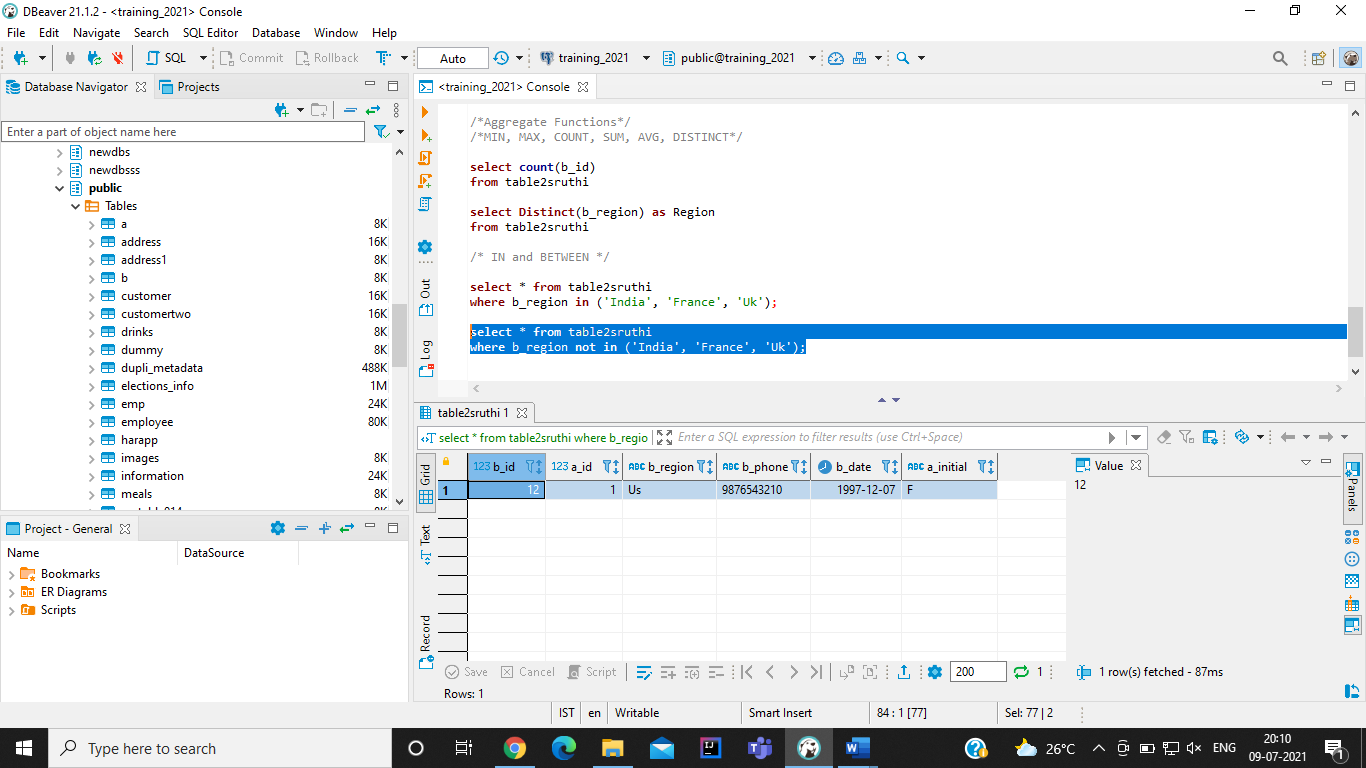
**select** \* **from** table2sruthi

**where** b\_region **in** ('India', 'France', 'Uk');



**select** \* **from** table2sruthi

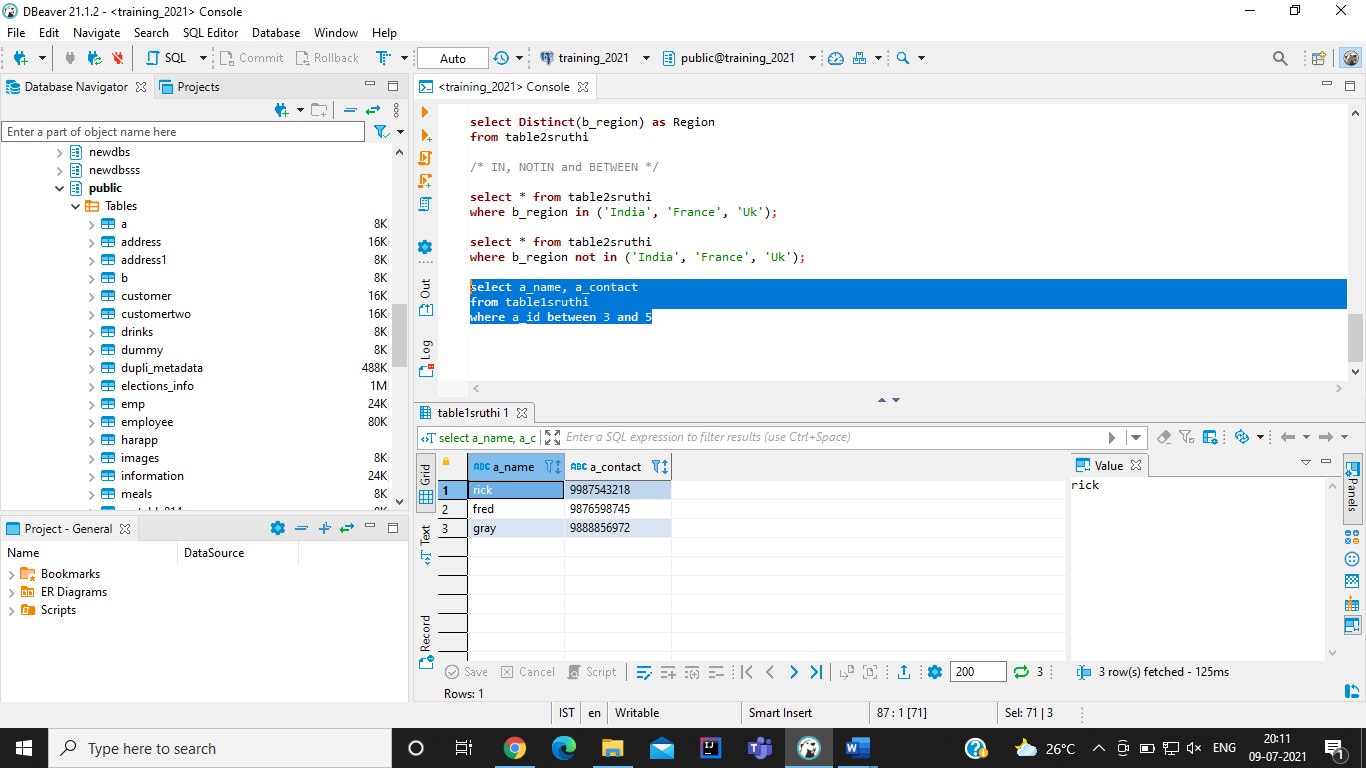
**where** b\_region **not** **in** ('India', 'France', 'Uk');



**select** a\_name, a\_contact

**from** table1sruthi

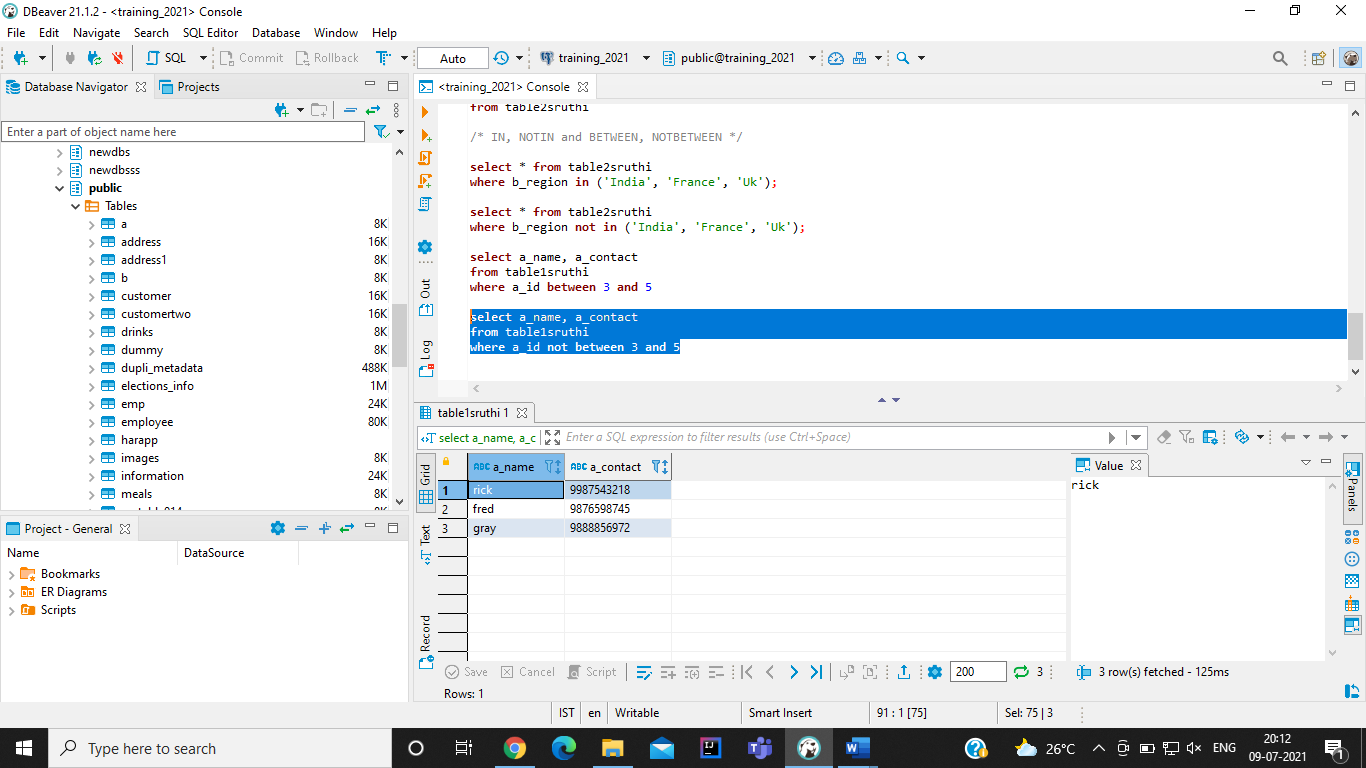
**where** a\_id **between** 3 **and** 5



**select** a\_name, a\_contact

**from** table1sruthi

**where** a\_id **not** **between** 3 **and** 5



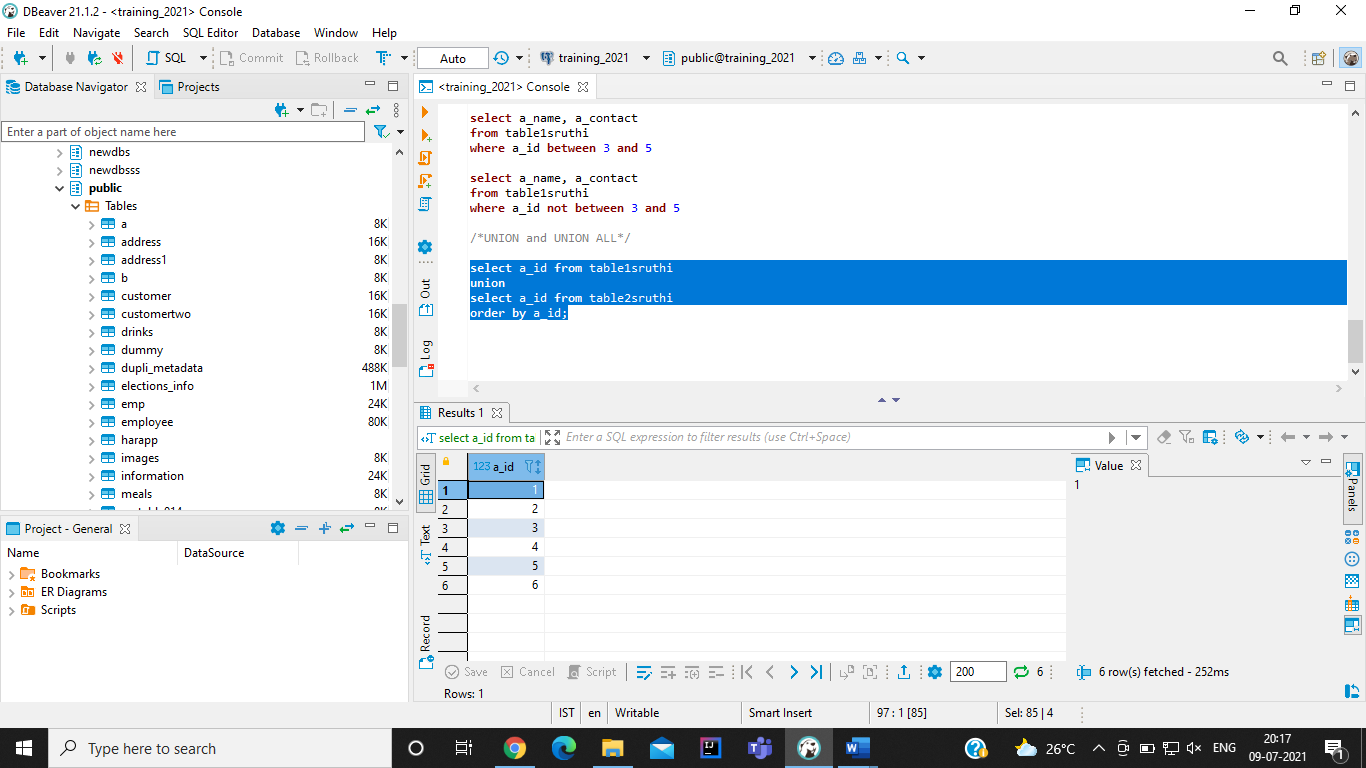
**/\*UNION and UNION ALL\*/**

**select** a\_id **from** table1sruthi

**union**

**select** a\_id **from** table2sruthi

**order** **by** a\_id;



**select** a\_id **from** table1sruthi

**union** **all**

**select** a\_id **from** table2sruthi

**order** **by** a\_id;

