**ART GALLERYMANAGEMENT**

**SYSTEM**

1)Artist Table

Create table Artist (

Artist\_No varchar(5) Primary key Not Null,

Artist\_Name Varchar (30) Not Null,

Artist\_DOB Date Not Null,

Art\_type Varchar (30) Not Null

);

2)Artwork

CREATE TABLE ARTWORK (

Artwork\_No varchar(5) PRIMARY KEY Not Null,

Artwork\_Year int Not null,

Artwork\_Price int Not Null,

Artist\_Id varchar(5) Not Null,

FOREIGN KEY(Artist\_id) REFERENCES Artist(Artist\_No) ON DELETE CASCADE

);

3)Customer

create table customer

(customer\_no varchar(5) primary key not null,

customer\_name varchar(30),

customer\_DOB date not null,

Artwork\_no varchar(5) not null,foreign key(artwork\_no) references artwork(artwork\_no)ON DELETE CASCADE);

4)Gallery

create table gallery(Gallery\_No Varchar(5) primary key not null,gallery\_location varchar(30),

Artwork\_No varchar(5) not null,Foreign Key(Artwork\_No)

references artist(artist\_no)ON DELETE CASCADE);

5)Manager

create table manager(manager\_no int primary key not null,

manager\_name varchar(30) not null,manager\_dob date not null,

gallery\_code varchar(5) not null,foreign key(gallery\_code) references gallery(gallery\_no)ON DELETE CASCADE);

INSERTION VALUES

1)artist

insert into artist values

('A101','Leonardo Da Vinci','1974/05/08','LITERARY');

('A102','Vincent Van Gogh ','1984/04/09','PAINTING'),

('A103','Rembrandt ','1989/07/11','CULINARY'),

('A104','Michelangelo ','1949/04/11','SCULPTURE'),

('A105','Claude Monet ','1840/04/17','PAINTING'),

('A106','Pablo Picasso ','1870/02/21','DRAWNINGS'),

('A107','Raphael ','1740/02/21','LITERARY'),

('A108','Auguste Renoir ','1841/07/12','CULINARY'),

('A109','Jan Vermeer ','1901/07/12','PAINTING'),

('A110','Paul Cezanne ','1632/07/12','SCULPTURE'),

('A111','Caravaggio','1635/07/20','CULINARY'),

('A112','Van Gogh','1780/07/22','LITERARY');

2)ARTWORK

insert into artwork values

('P101','LITERARY',1800,25000,'A112'),

insert into artwork values

('P102','LITERARY',1940,25700,'A101'),

('P103','CULINARY',1850,45700,'A111'),

('P104','PAINTING',1470,74000,'A102'),

('P105','SCULPTURE',1890,42100,'A110'),

('P106','CULINARY',1980,24270,'A103'),

('P107','PAINTING',1994,45780,'A109'),

('P108','SCULPTURE',1847,25894,'A104'),

('P109','CULINARY',1947,24754,'A108'),

('P110','PAINTING',1897,25844,'A105'),

('P111','LITERARY',1459,47800,'A107'),

('P112','DRAWNINGS',1490,42800,'A106'),

('P113','LITERARY',1850,25008,'A112'),

('P114','LITERARY',1950,25707,'A101'),

('P115','CULINARY',1890,45705,'A111'),

('P116','PAINTING',1570,74500,'A102'),

('P117','SCULPTURE',1990,42500,'A110'),

('P118','CULINARY',1910,24370,'A103'),

('P119','PAINTING',1995,45280,'A109'),

('P120','SCULPTURE',1857,25794,'A104'),

('P121','CULINARY',1917,24754,'A108'),

('P122','PAINTING',1797,25744,'A105'),

('P123','LITERARY',1419,47700,'A107'),

('P124','DRAWNINGS',1495,43800,'A106');

('P125','CULINARY',1917,24774,'A108'),

('P126','PAINTING',1890,25874,'A105'),

('P127','LITERARY',1454,47870,'A107'),

('P128','DRAWNINGS',1497,42400,'A106'),

('P129','LITERARY',1147,25018,'A112'),

('P130','LITERARY',1478,25777,'A101');

3)customer

INSERT INTO CUSTOMER VALUES

('C151','RAJESH YADAV','1995/05/02','P130'),

('C152','RAHUL YADAV','1995/02/13','P110'),

('C153','AMIT SHUKLA','1996/06/12','P122'),

('C154','ANKIT MISHRA','1998/07/15','P110'),

('C155','UDEET CHAUHAN','199/08/22','P111'),

('C156','VISHAL SATPUTE','1991/01/21','P115'),

('C157','ADITYA CHOPRA','1992/09/14','P114'),

('C158','ARTI YADAV','1996/06/06','P101'),

('C159','JYOTI SINGH','1993/05/22','P105'),

('C160','KANAK SHARMA','1994/05/17','P103'),

('C161','ARVIND YADAV','1995/05/15','P120'),

('C162','PRIYA PAWAR','1995/11/02','P129'),

('C163','SWEETY GURJAR','1991/08/22','P125'),

('C164','VIRAT KOHLI','1983/11/05','P109'),

('C165','ROHIT SHARMA','1984/07/14','P121'),

('C166','ASHOK YADAV','1994/07/24','P117'),

('C167','REKHA VISHWAKARMA','1970/01/01','P130'),

('C168','KUNAL MUKADAM','1994/06/02','P116'),

('C169','VILESH SALUNKE','1945/01/22','P105'),

('C170','RAHUL DRAVID','1975/05/02','P109'),

('C171','LAXMAN RAGHUVANSHI','1915/03/25','P106'),

('C172','LIO MESSI','1985/02/22','P103'),

('C173','RONALDO R','1971/04/22','P120'),

('C174','RAHUL KORI','1945/05/22','P114'),

('C175','KARTHIK THEVAR','1990/05/20','P130'),

('C176','ARYAN NISHAD','1991/03/29','P102'),

('C177','ANTHONY PALLIPAT','1971/09/19','P104'),

('C178','VINOD PATIL','1986/03/29','P119'),

('C179','MAMTA CHAUHAN','1990/03/19','P107'),

('C180','KUMAR KOTEHKAR','1991/03/29','P112');

4)gALLERY

INSERT INTO GALLERY VALUES

('G101','VASHI','A112'),

('G102','TURBHE','A105'),

('G103','NERUL','A106'),

('G104','BELAPUR','A111'),

('G105','GHANSOLI','A110'),

('G106','AIROLI','A109'),

('G107','KHANDESHWAR','A104'),

('G108','PANVEL','A107'),

('G109','KHARGHAR','A101'),

('G110','THANE','A103'),

('G111','CHEMBUR','A102'),

('G112','DEONAR','A104'),

('G113','ANDHERI','A108'),

('G114','JOGESHWARI','A112'),

('G115','VIRAR','A105');

5)insert into manager values

(101,'ARVIND','1995/05/14','G114'),

(102,'ASHOK','1993/04/17','G109'),

(103,'RAMESH','1990/07/19','G108'),

(104,'TARUN','1990/07/15','G110'),

(105,'VIRAT','1987/03/05','G107'),

(106,'HARISH','1997/05/05','G106'),

(107,'WARNER','1787/03/05','G101'),

(108,'SMITH','1974/08/15','G102'),

(109,'MAXWELL','1947/04/17','G103'),

(110,'MARCUS','1947/03/15','G111'),

(111,'ZAMPA','1977/03/21','G105'),

(112,'SHAMI','1987/03/17','G113'),

(113,'VIRAT','1987/03/05','G112'),

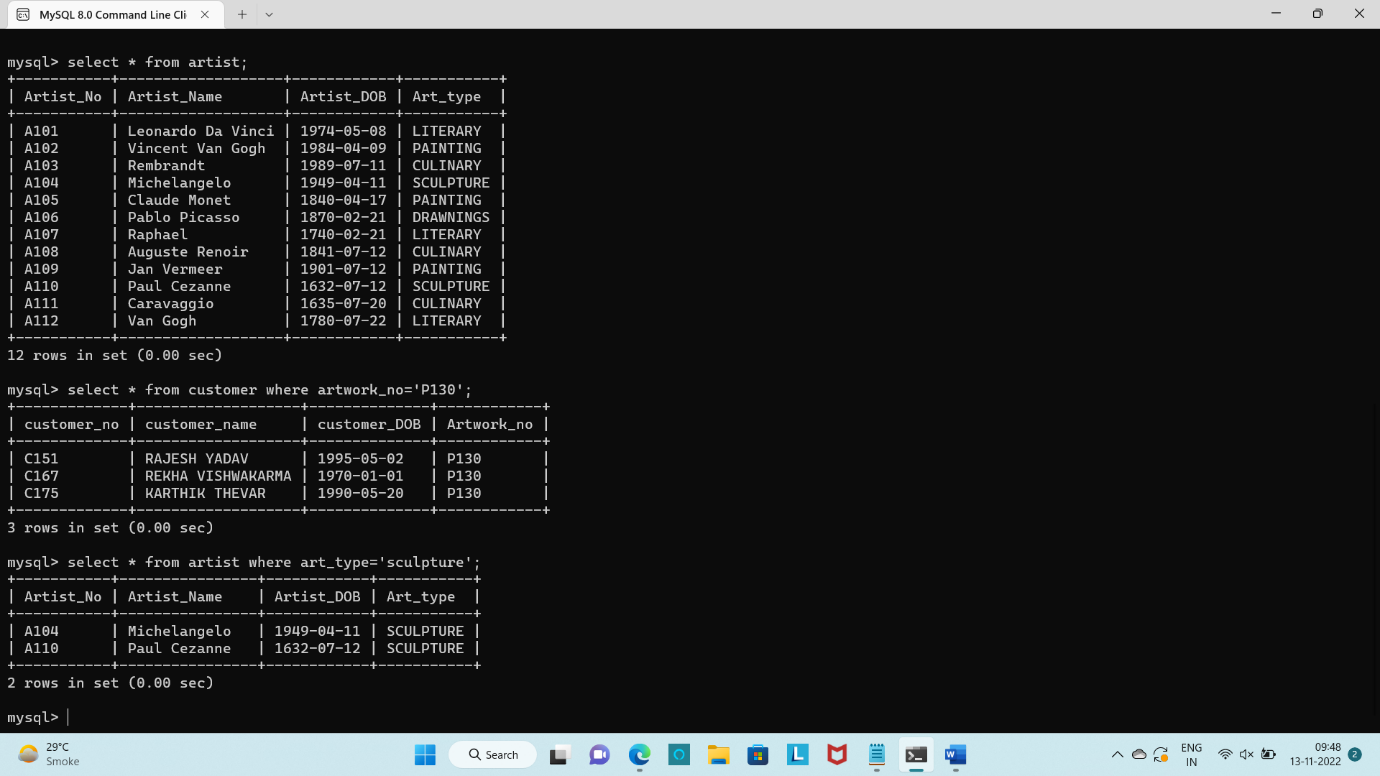
(114,'DAVID','1917/03/01','G104'),

(115,'ARSHDEEP','1996/02/07','G115');

**A)Select Query-**

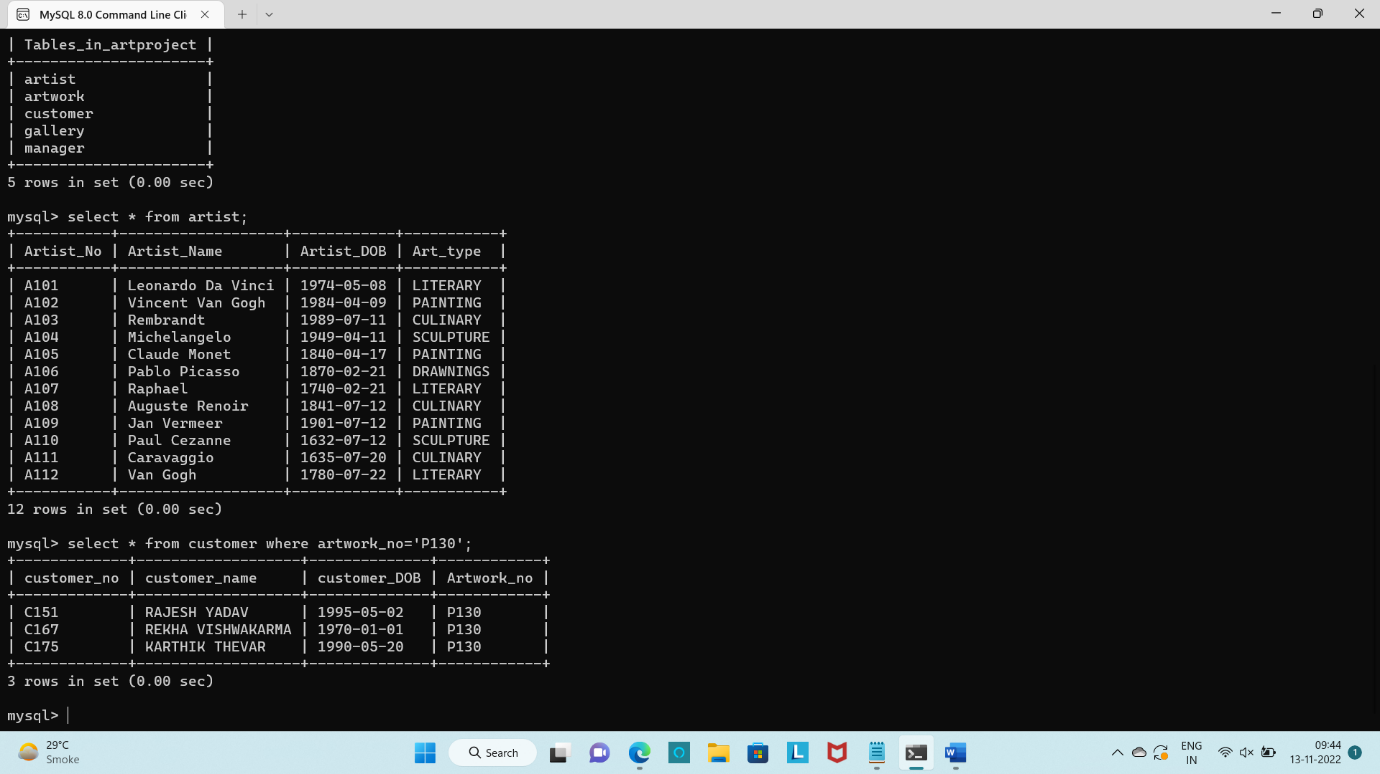
**1)Display All Information of All Artist Who Make Art 'Sculpture'**

Select \* from artist where art\_type='sculpture'



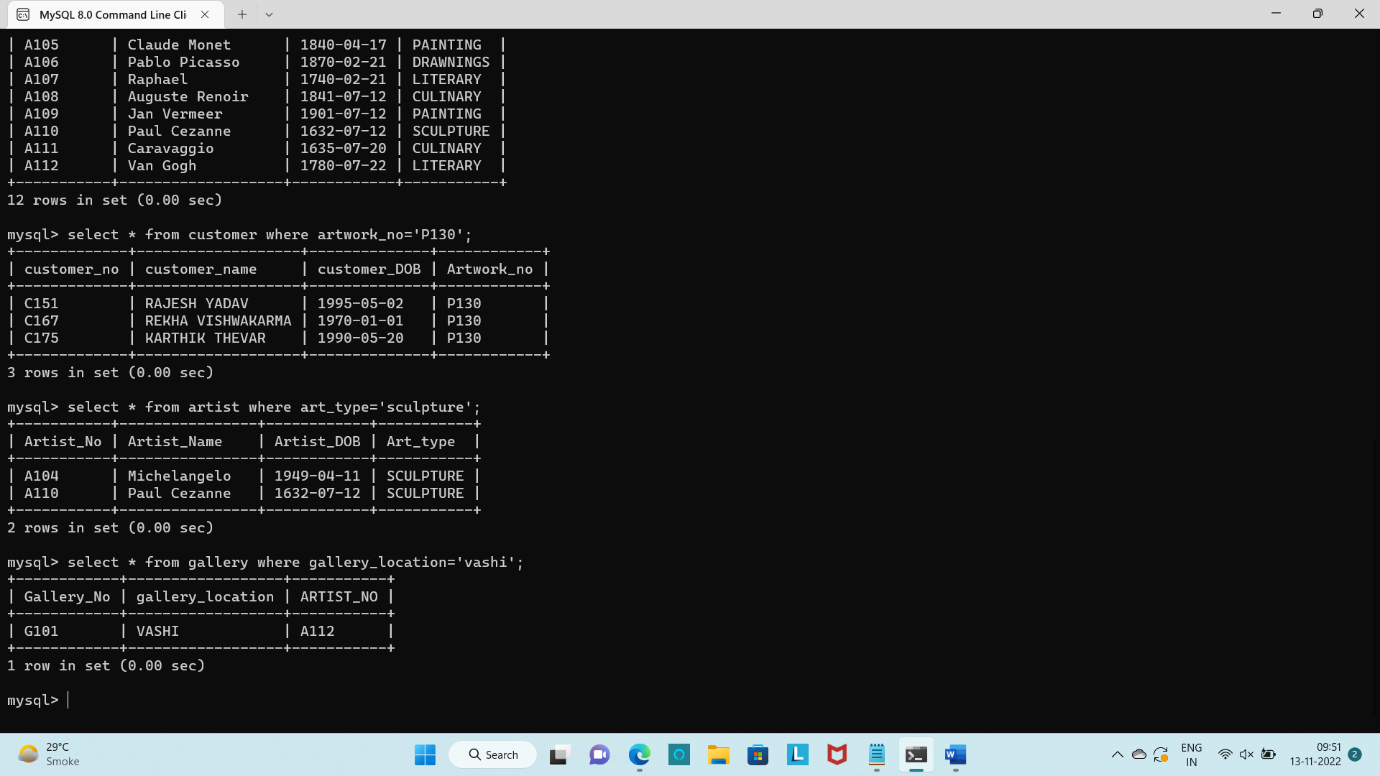
**2)Display All Data From A Customer Who Buy Artwork No P130**

select \* from customer where artwork\_no='P130';

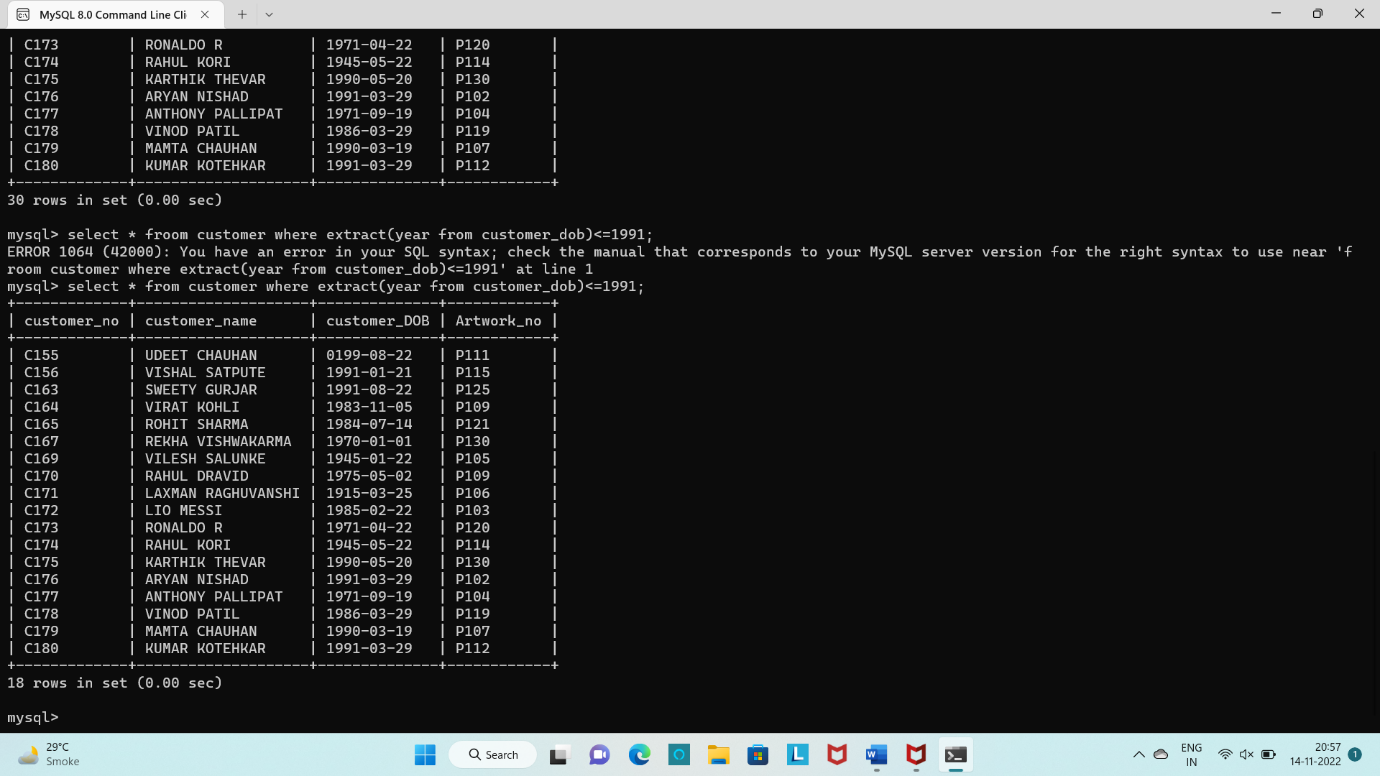


**3)Display All Data From Gallery Which Is In Vashi.**

select \* from gallery where gallery\_location='vashi';

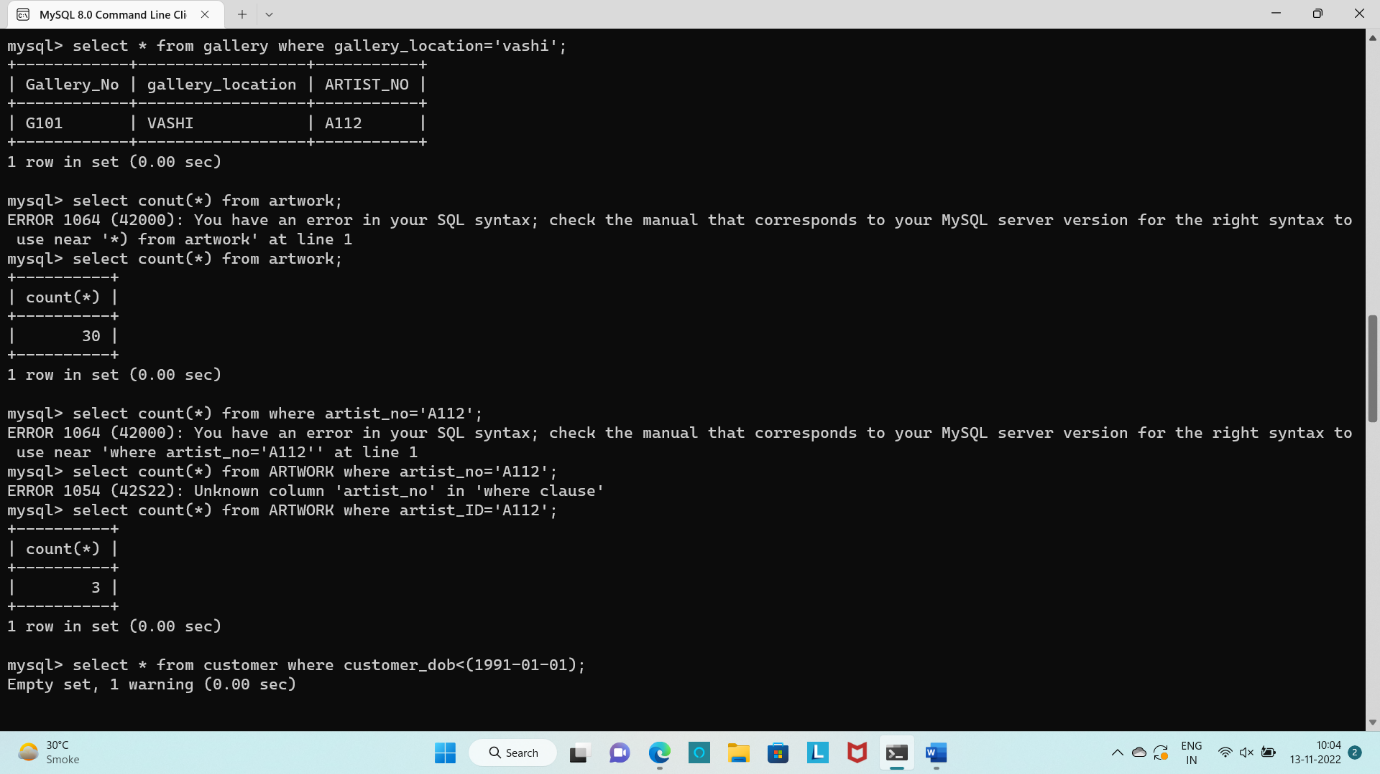


**4)Display All Information Of Customer Who Were Born In 1991 or before 1991**

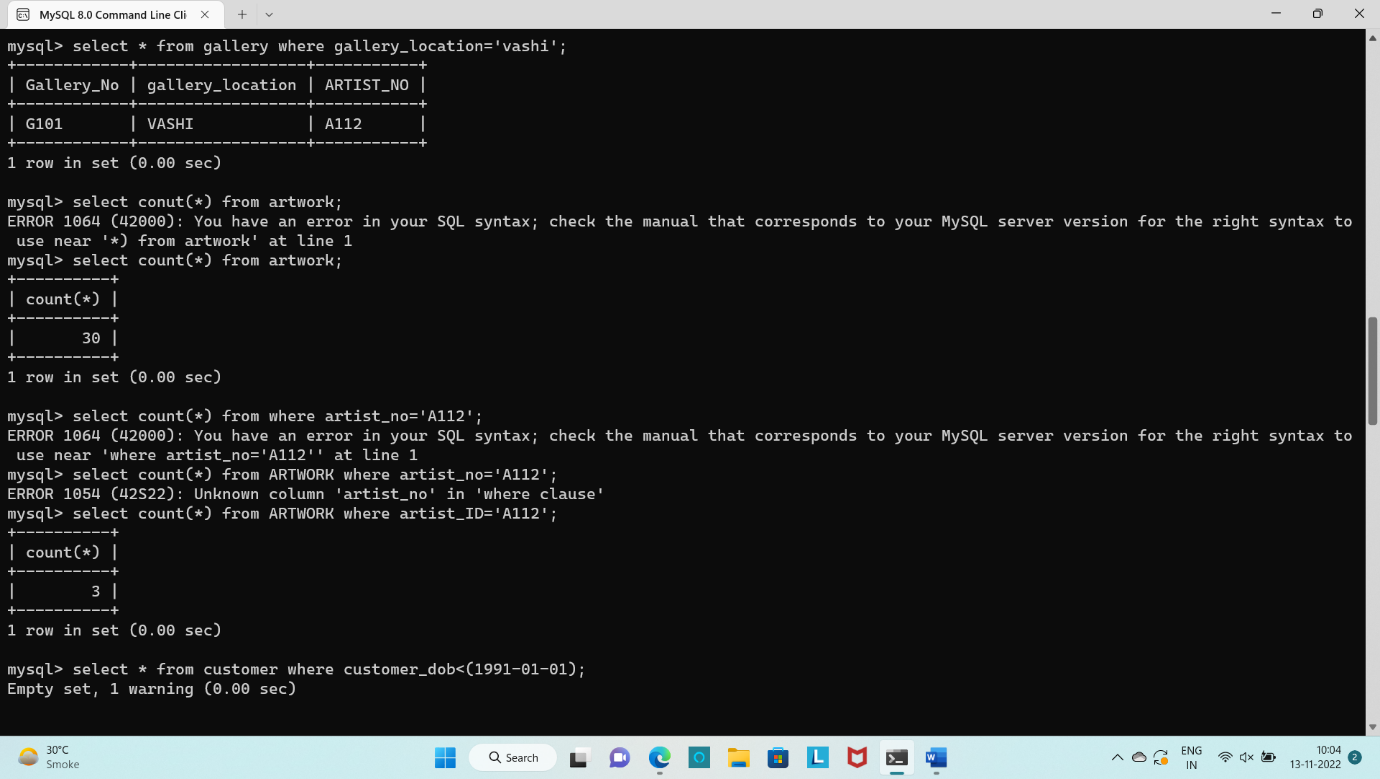
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**B)Aggregration**

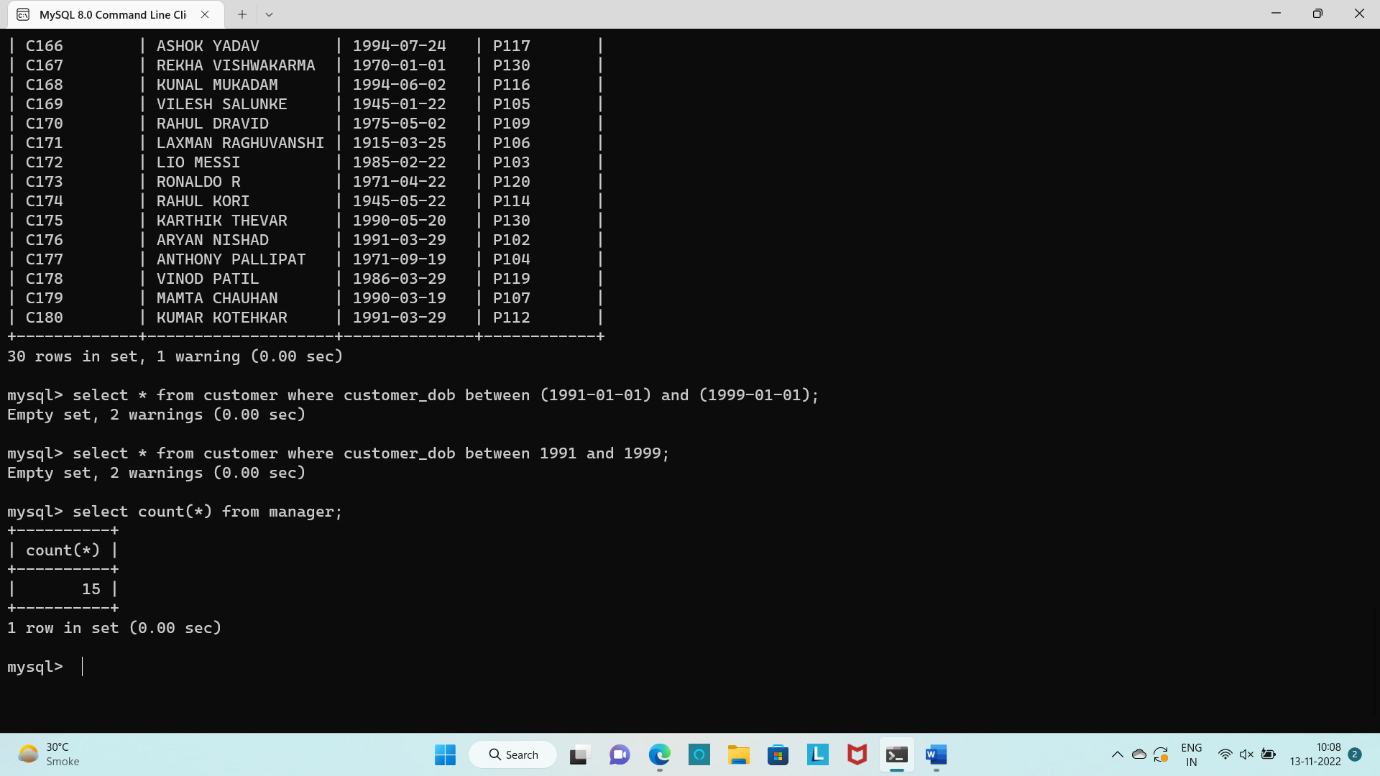
**1)Dislpay Total Artwork Made By Artist**

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**2)Display Total Artwork Made By Artist No -A112**

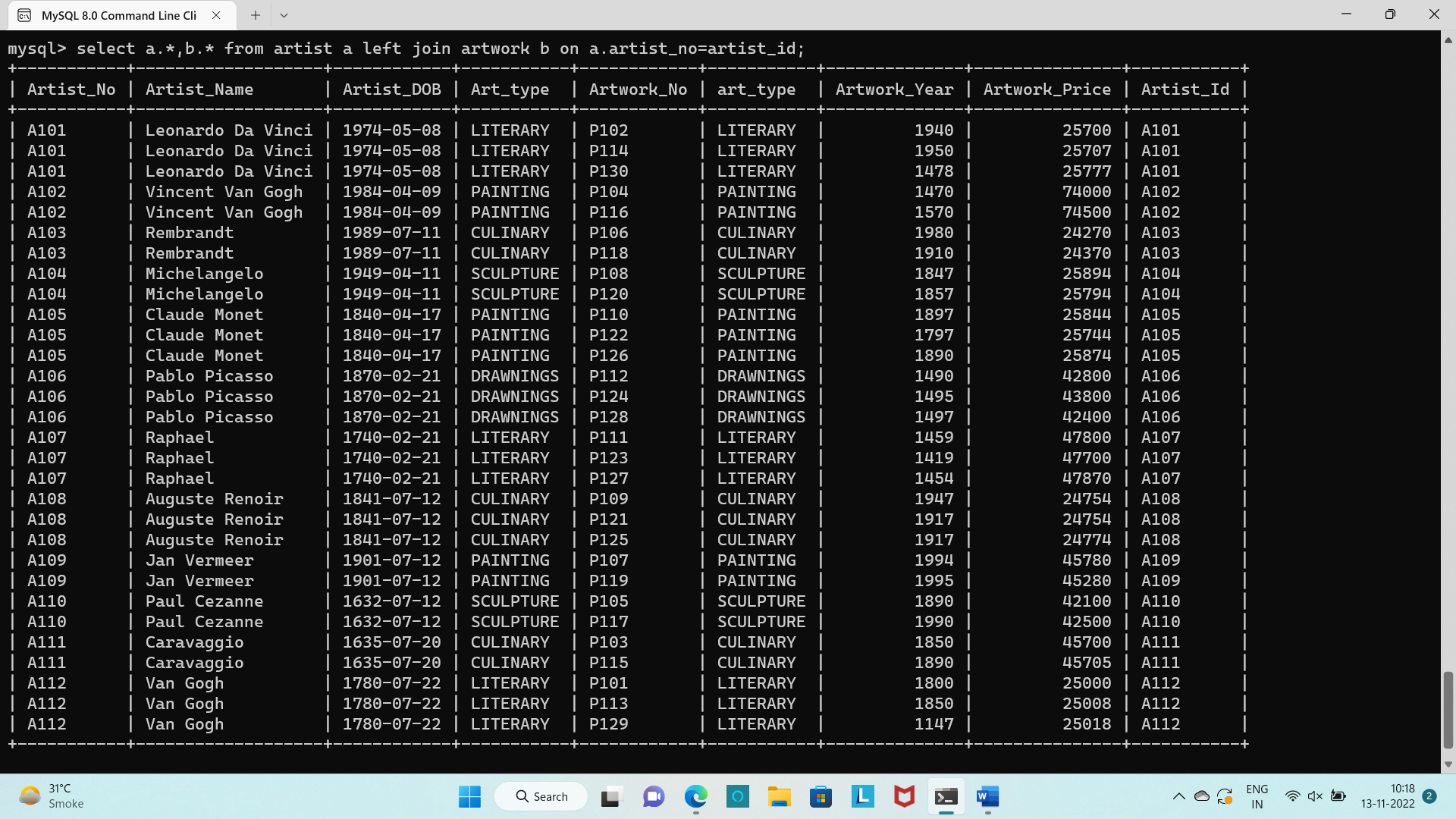
****

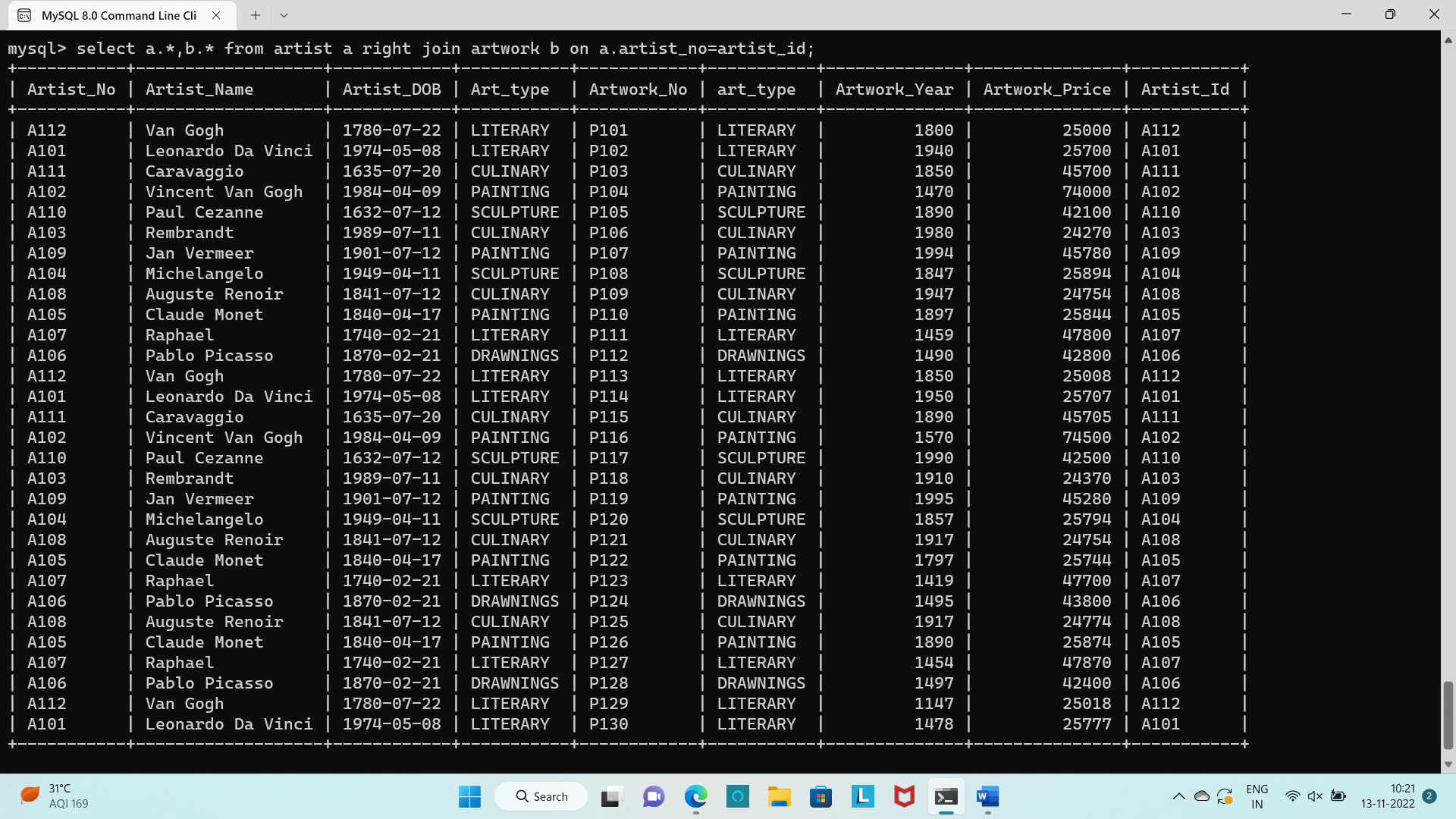
**3)Display Total Number Of Managers**

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**C)Joins**

**1)Display All Artwork Create By Artist(Left Join)**

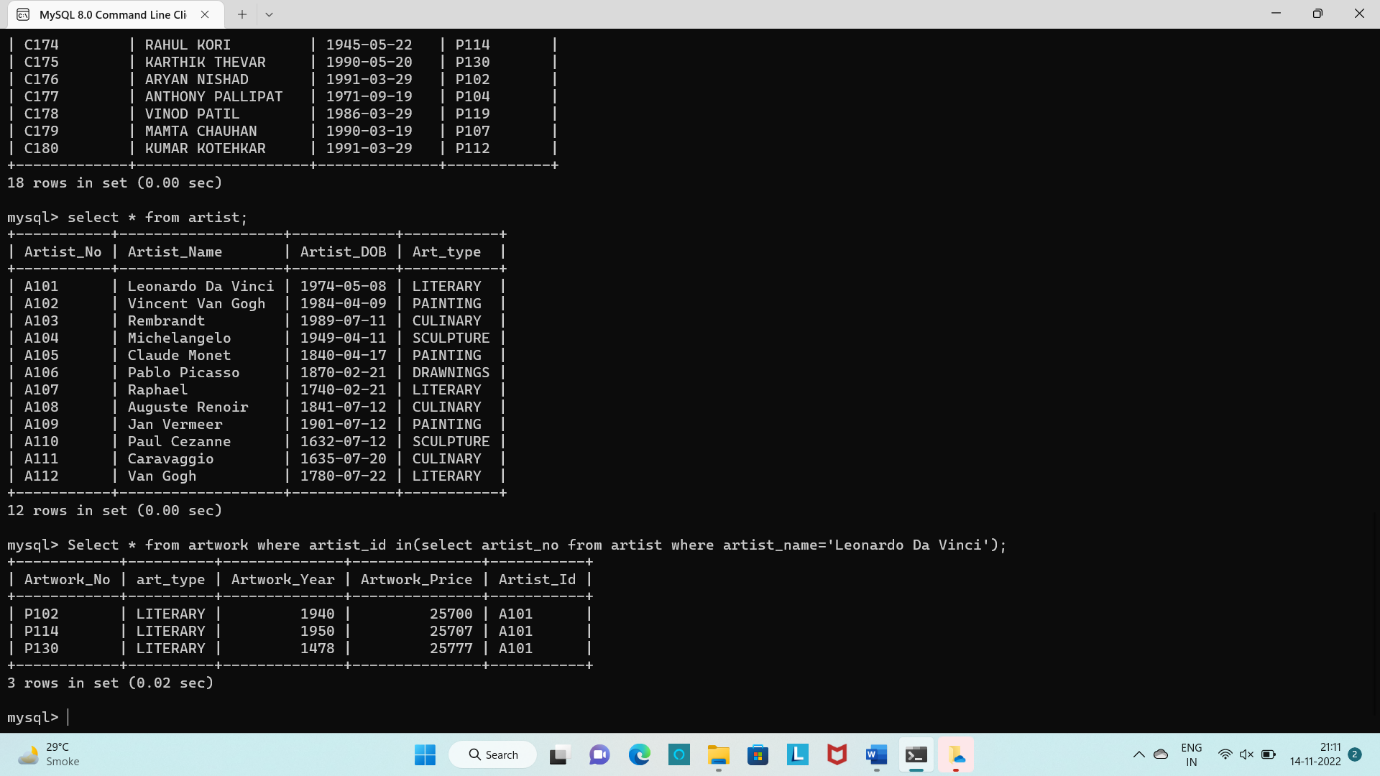
****

2) **Display All Artwork Create By Artist(Right Join)**

**D)Nested/Subqueries**

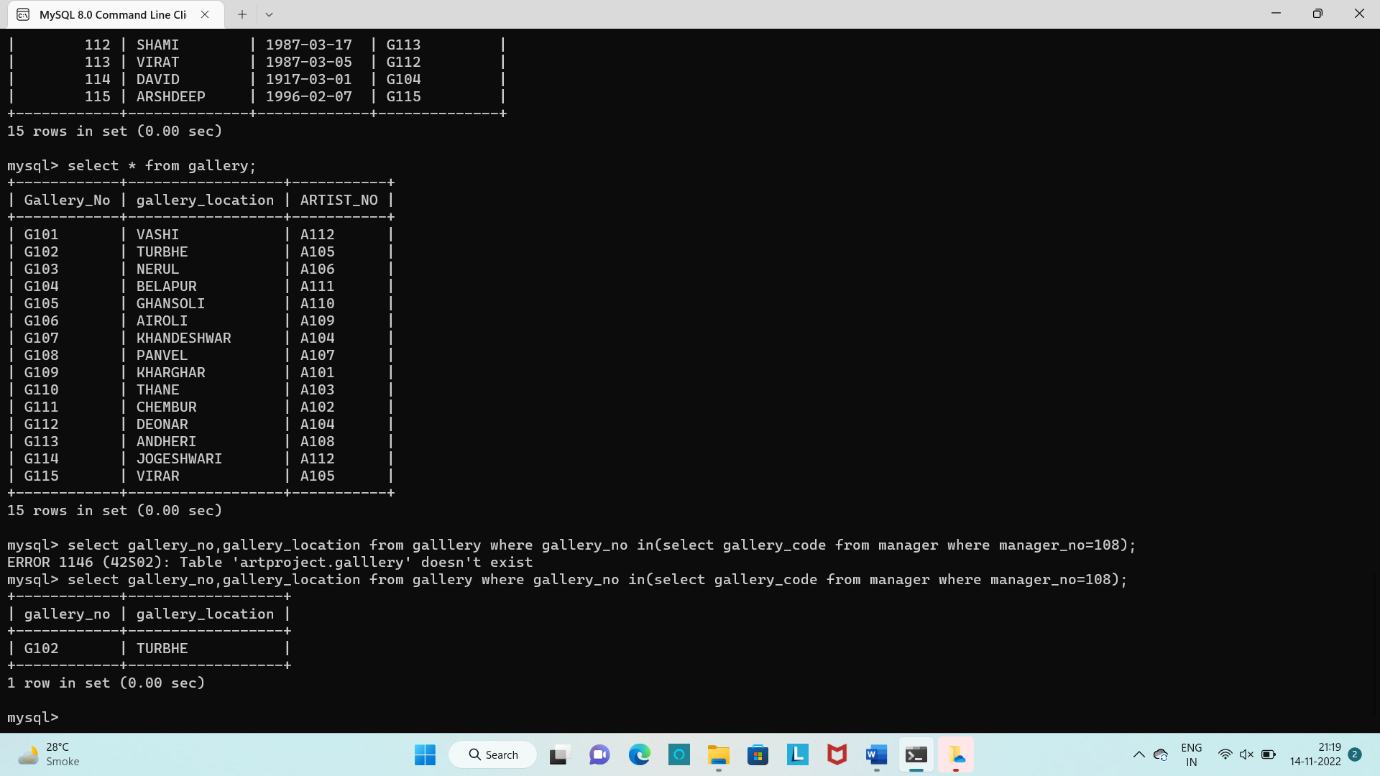
**1)Dislpay All Data From Artwork Where Artist Name Is Leonardo Da Vinci**

Select \* from artwork where artist\_id in(select artist\_no from artist where artist\_name='Leonardo Da Vinci');

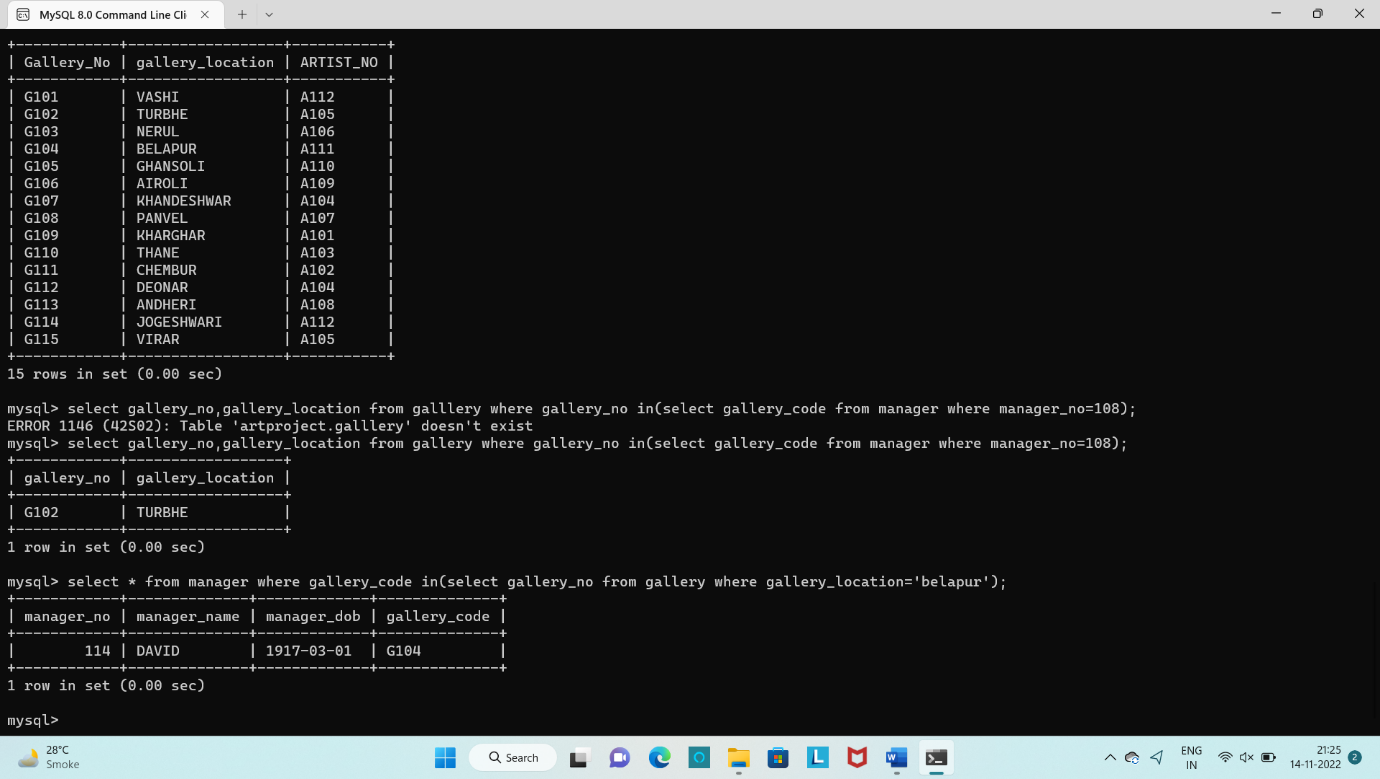
****

**2)Display Gallery Code ,Gallery Location For Manager Number ‘108’**

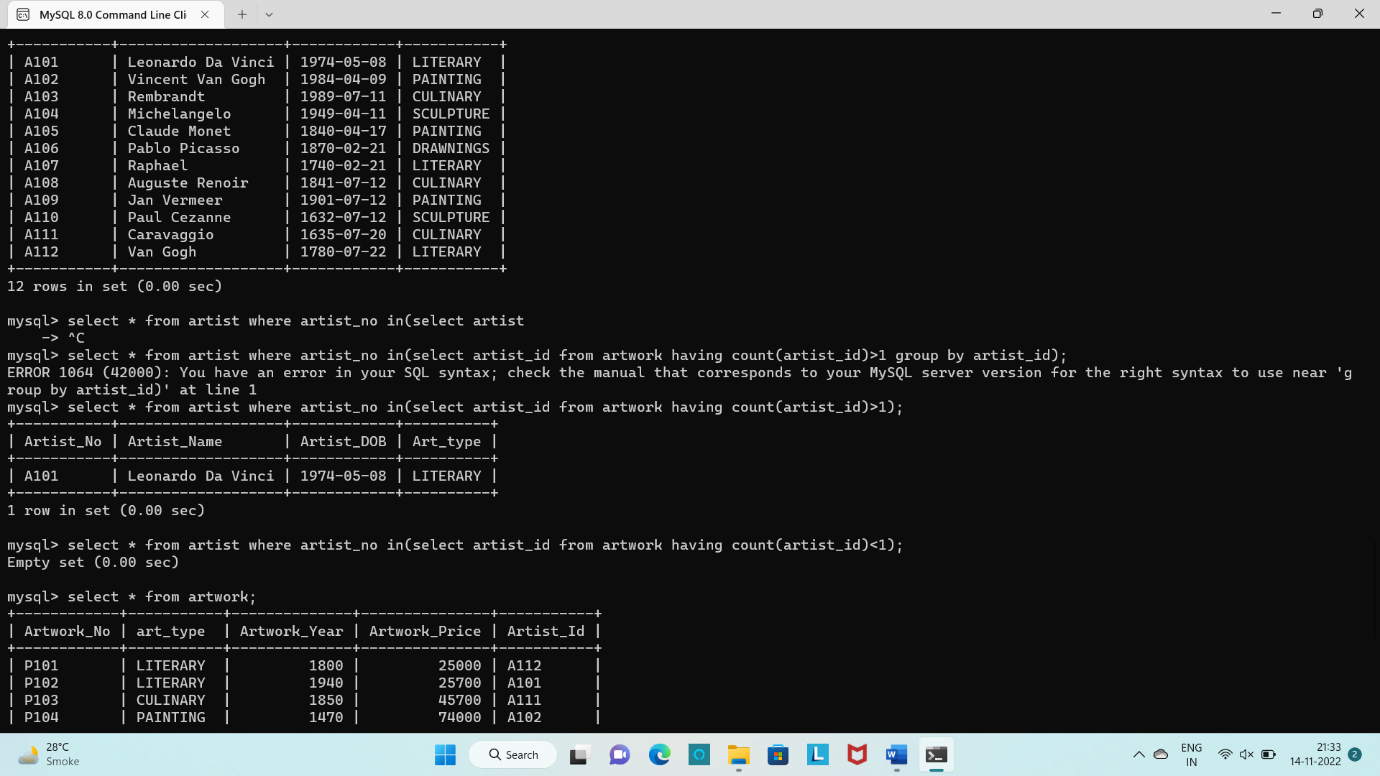
select gallery\_no,gallery\_location from gallery where gallery\_no in(select gallery\_code from manager where manager\_no=108);



**3)Display All Data From Manager Who Manage Gallery In Belapur**

select \* from manager where gallery\_code in(select gallery\_no from gallery where gallery\_location='belapur');

**4)Display Artist Information Who Create More Than One Artwork.**

select \* from artist where artist\_no in(select artist\_id from artwork having count(artist\_id)>1);

**5)Display Artwork Information From Artist Who Create ‘Culinary’ Art Type**

select \* from artwork where artist\_id in(select artist\_no from artist where art\_type='culinary'); 