**Write queries for the following**

1. Create the Customer table with the following columns.

CustomerId Number(5)

Cust\_Name varchar2(20)

Address1 Varchar2(30)

Address2 Varchar2(30)

Create table Customer

(

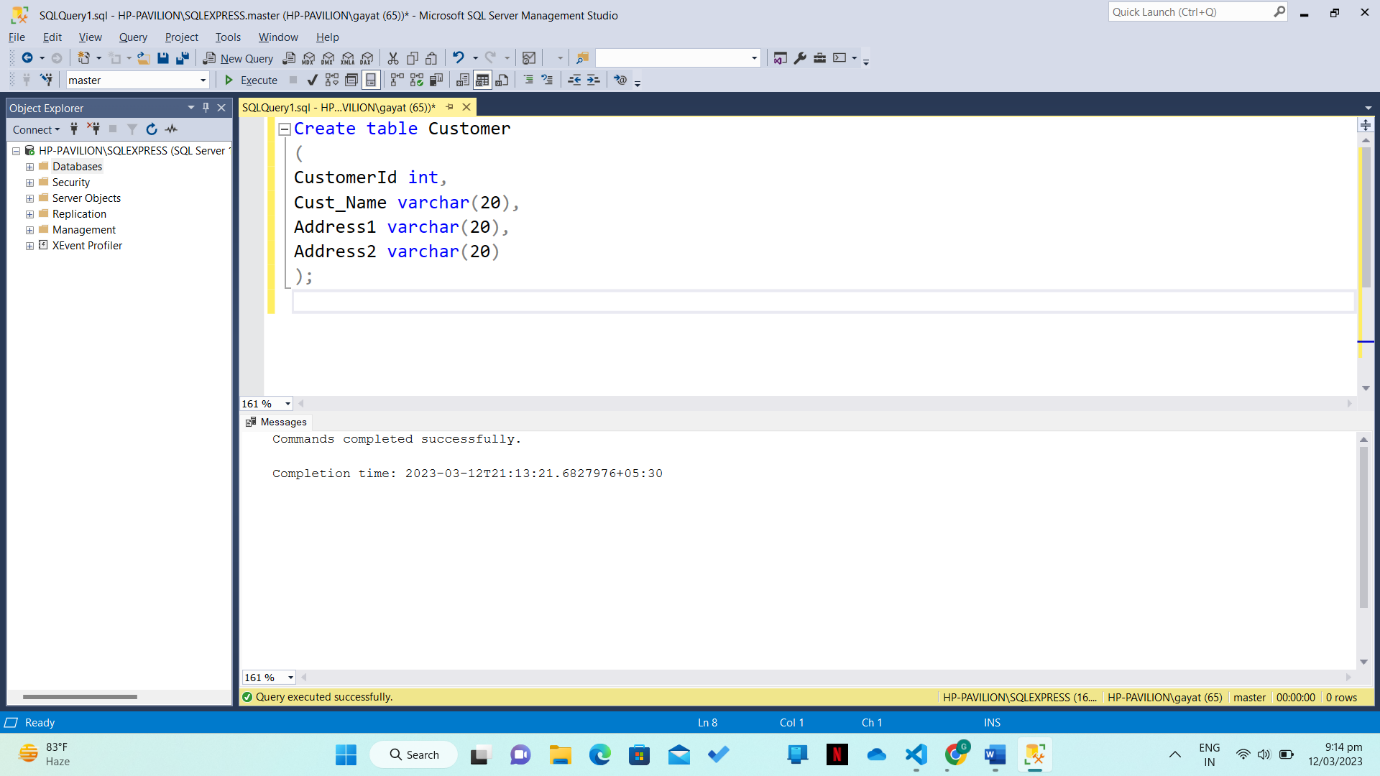
CustomerId int,

Cust\_Name varchar(20),

Address1 varchar(20),

Address2 varchar(20)

);



1. Modify the Customer table Cust\_Name column of datatype with Varchar2(30), rename the column to CustomerName and it should not accept Nulls.

alter table customer

alter column Cust\_Name varchar(30) not null;

exec sp\_rename 'dbo.customer.Cust\_Name', 'CustomerName', 'COLUMN';

exec sp\_help customer;

Graphical user interface, text, application

Description automatically generated

1. Add the following Columns to the Customer table.

Gender Varchar2(1)

Age Number(3)

PhoneNo Number(10)

alter table customer

add Gender Varchar(1),

Age int,

PhoneNo int;

exec sp\_help customer;

Graphical user interface, text, application

Description automatically generated

1. Add the below records to the Customer table:

(1000, ‘Allen’, ‘#115 Chicago’, ‘#115 Chicago’, ‘M’, ‘25, 7878776’)

1000, Allen, #115 Chicago, #115 Chicago, M, 25, 7878776

1001, George, #116 France, #116 France, M, 25, 434524

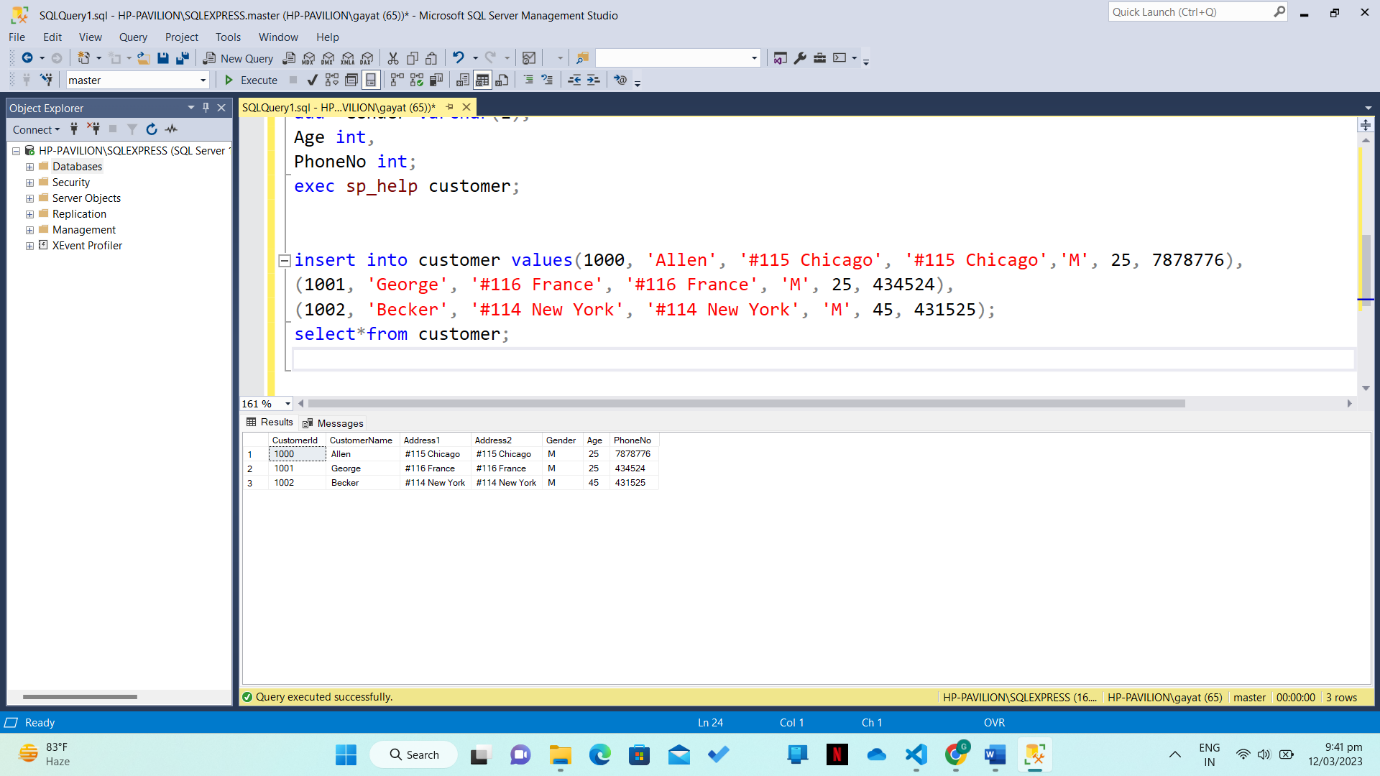
1002, Becker, #114 New York, #114 New York, M, 45, 431525

insert into customer values(1000, 'Allen', '#115 Chicago', '#115 Chicago','M', 25, 7878776),

(1001, 'George', '#116 France', '#116 France', 'M', 25, 434524),

(1002, 'Becker', '#114 New York', '#114 New York', 'M', 45, 431525);

select\*from customer;

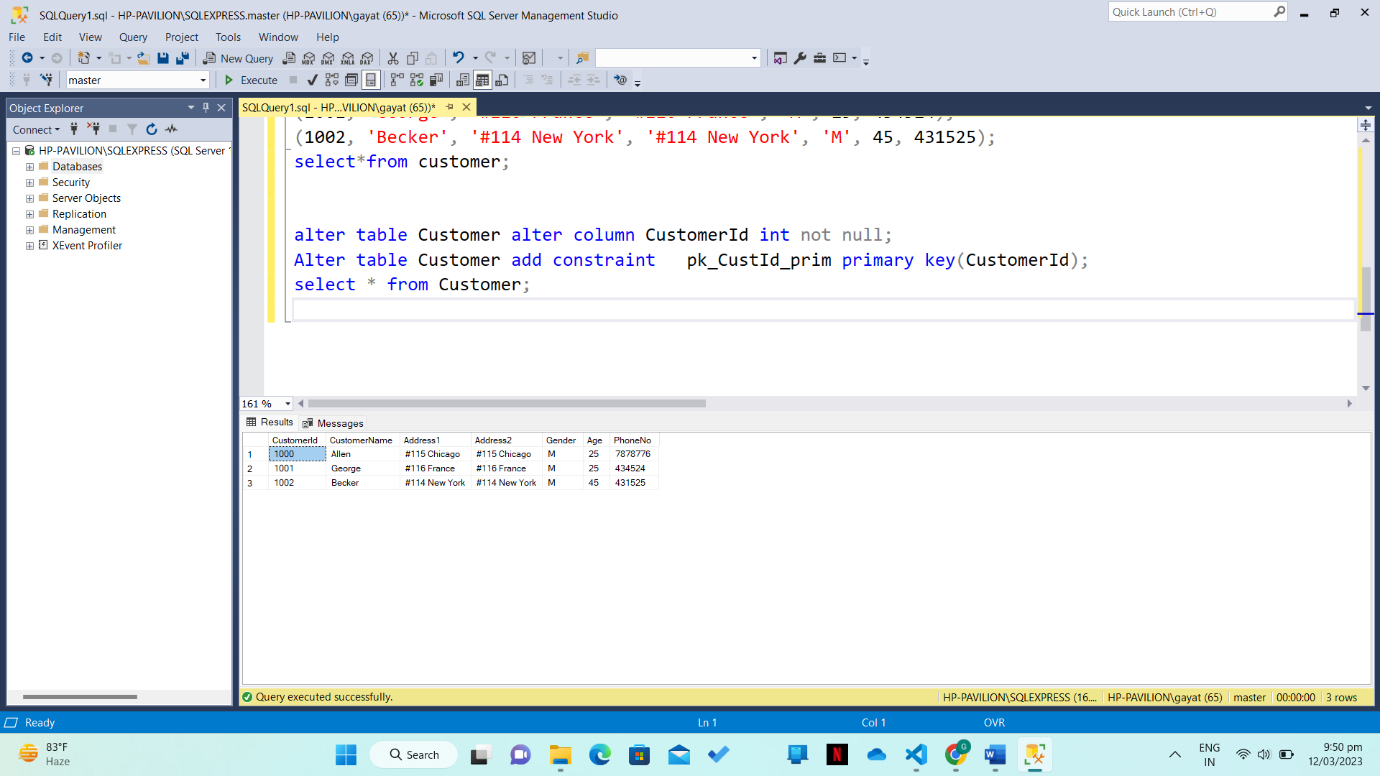


1. Add the Primary key constraint for Customerld with the name Custld\_Prim.

alter table customer alter column CustomerId int not null;

Alter table Customer add constraint pk\_CustId\_prim primary key(CustomerId);

select \* from Customer;



1. a) Disable the constraint on CustomerId, and insert the following data:

1002, Becker, #114 New York, #114 New york , M, 45, 431525

1003, Nanapatekar, #115 India, #115 India , M, 45, 431525

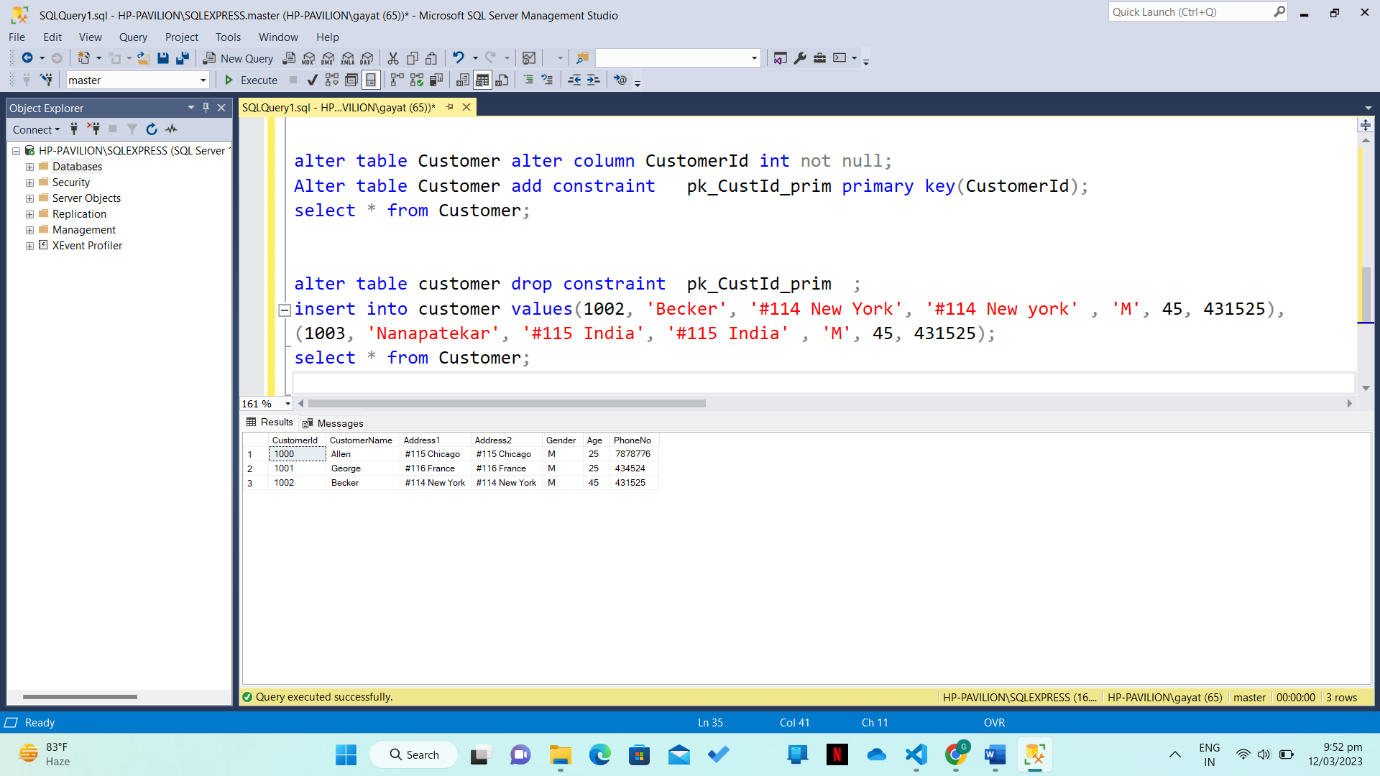
b) Drop the constraint Custld\_Prim on CustomerId and insert the following Data.

alter table customer drop constraint pk\_CustId\_prim ;

insert into customer values(1002, 'Becker', '#114 New York', '#114 New york' , 'M', 45, 431525),

(1003, 'Nanapatekar', '#115 India', '#115 India' , 'M', 45, 431525);

select \* from Customer;



1. Alter Customer table, drop constraint Custid\_Prim.

1002, Becker, #114 New York, #114 New york , M, 45, 431525, 15000.50

1003, Nanapatekar, #115 India, #115 India , M, 45, 431525, 20000.50

alter table customer add amount float;

update customer set amount=15000.50 where CustomerId=1002;

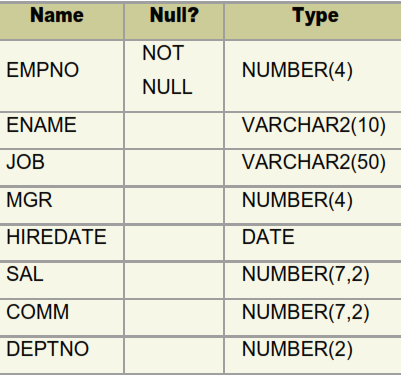
update customer set amount=20000.50 where CustomerId=1003;

select \* from Customer;

Graphical user interface, text, application

Description automatically generated

1. Create Employee table with same structure as EMP table.



create table Employee

(

EMPNO int not null,

ENAME varchar(10),

JOB varchar(50),

MGR int,

HIREDATE date,

SAL int,

COMM int,

DEPTNo int

);

exec sp\_help Employee;

Graphical user interface, application

Description automatically generated

1. Insert the following data in the above table

insert into Employee (EMPNO,ENAME,SAL,DEPTNo)

values(7369,'SMITH',800,20),(7499,'ALLEN',1600,30),

(7521,'WARD',1250,30),(7566,'JONES',2975,20),

(7654,'MARTIN',1250,30),(7698,'BLAKE',2850,30),

(7782,'CLARK',2450,10),(7788,'SCOTT',3000,20),

(7839,'KING',5000,10),(7844,'TURNER',1500,30),

(7876,'ADAMS',1100,20),(7900,'JAMES',950,30),

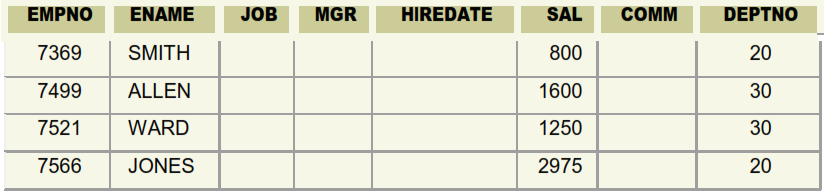
(7902,'FORD',3000,20),(7934,',MILLER',1300,10);

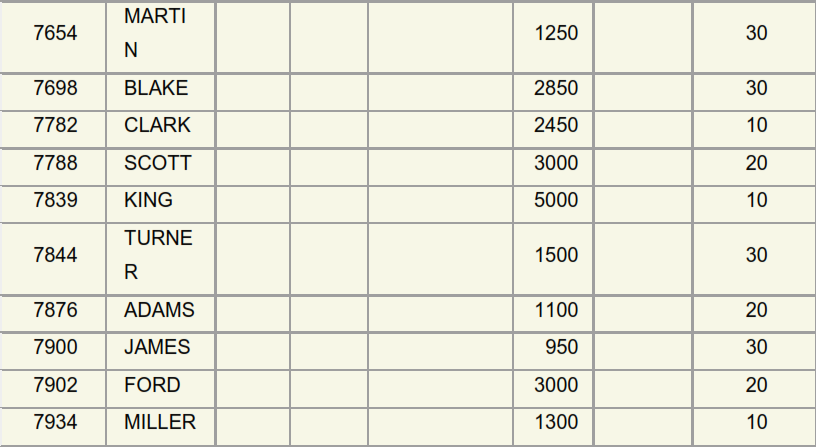
select\*from Employee;

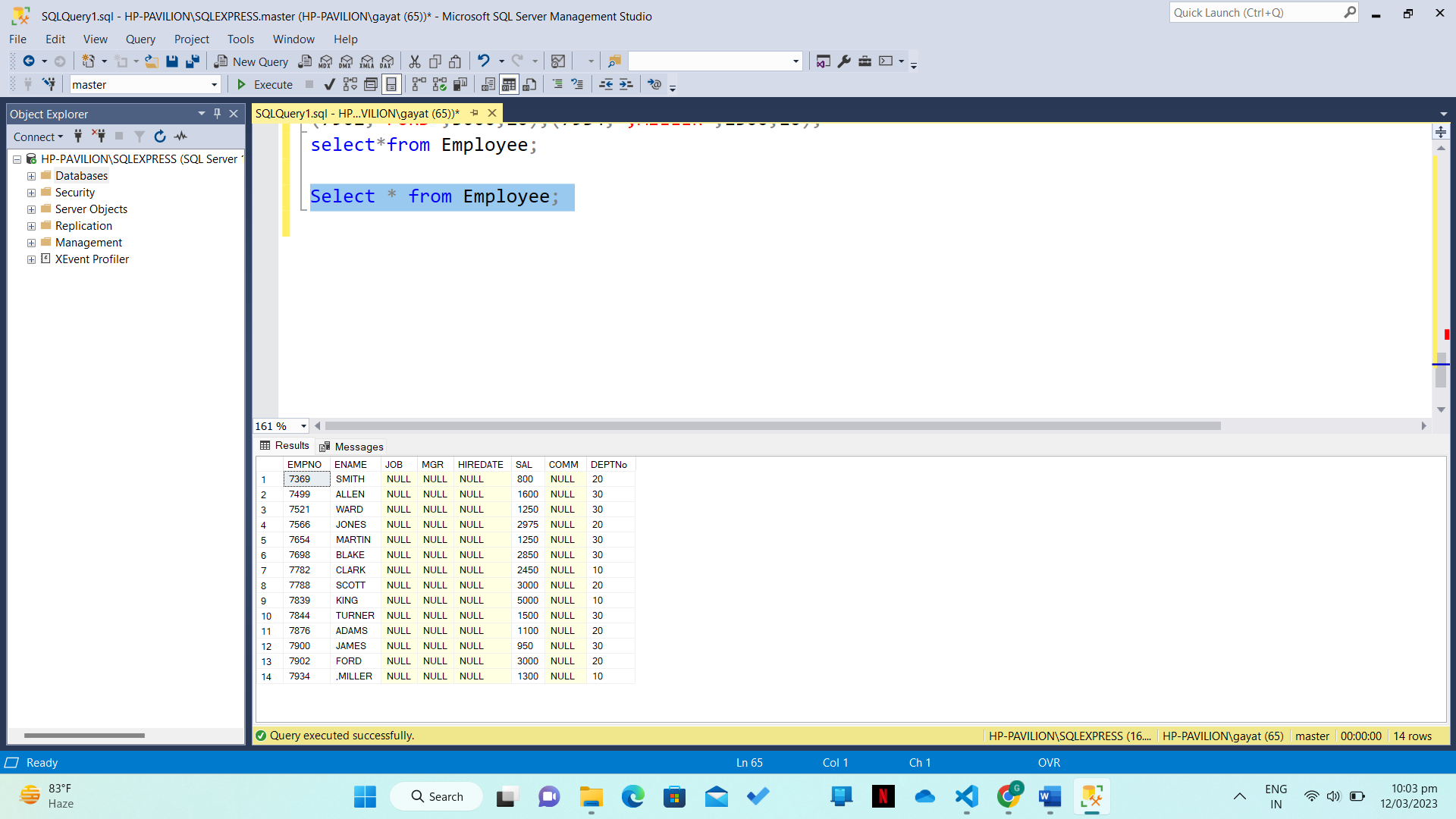
Graphical user interface, text, application

Description automatically generated

1. Write a query to populate Employee table using EMP table’s empno, ename, sal,, deptno columns.

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1. a. Write a query to change the job and deptno of employee whose empno is 7698 to the job and deptno of employee having empno 7788.

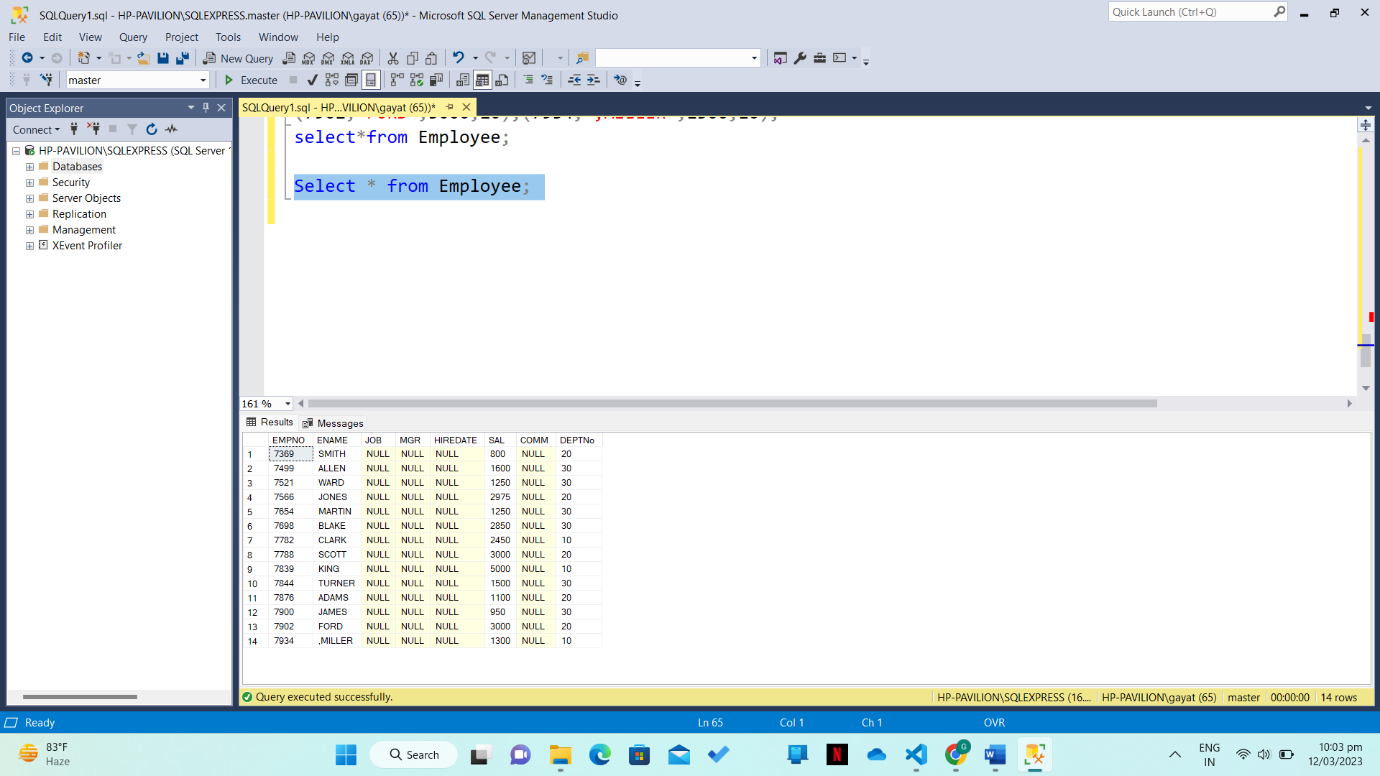
b. Write a query to change the deptno of employee with empno 7788 to that of employee having empno 7698.

update employee set job=(select job from employee where empno=7788),

deptno=(select deptno from employee where empno=7788)

where empno=7698;

select\*from Employee;



Graphical user interface, text, application

Description automatically generated

1. Delete the details of department whose department name is ‘SALES’.

alter table Employee add departmentname varchar(10);

update Employee set departmentname= 'sales' where DEPTNo=30;

update Employee set departmentname= 'sales' where DEPTNo=20;

delete from employee where departmentname like '%sales%';

select \* from Employee;

Graphical user interface, text, application

Description automatically generated

1. Insert the following rows to the Employee table

1000,Allen, Clerk,1001,12-jan-01, 3000, 2,10

1001,George, analyst, null, 08 Sep 92, 5000,0, 10

1002, Becker, Manager, 1000, 4 Nov 92, 2800,4, 20

1003, 'Bill', Clerk, 1002, 4 Nov 92,3000, 0, 20

select \* from Employee;

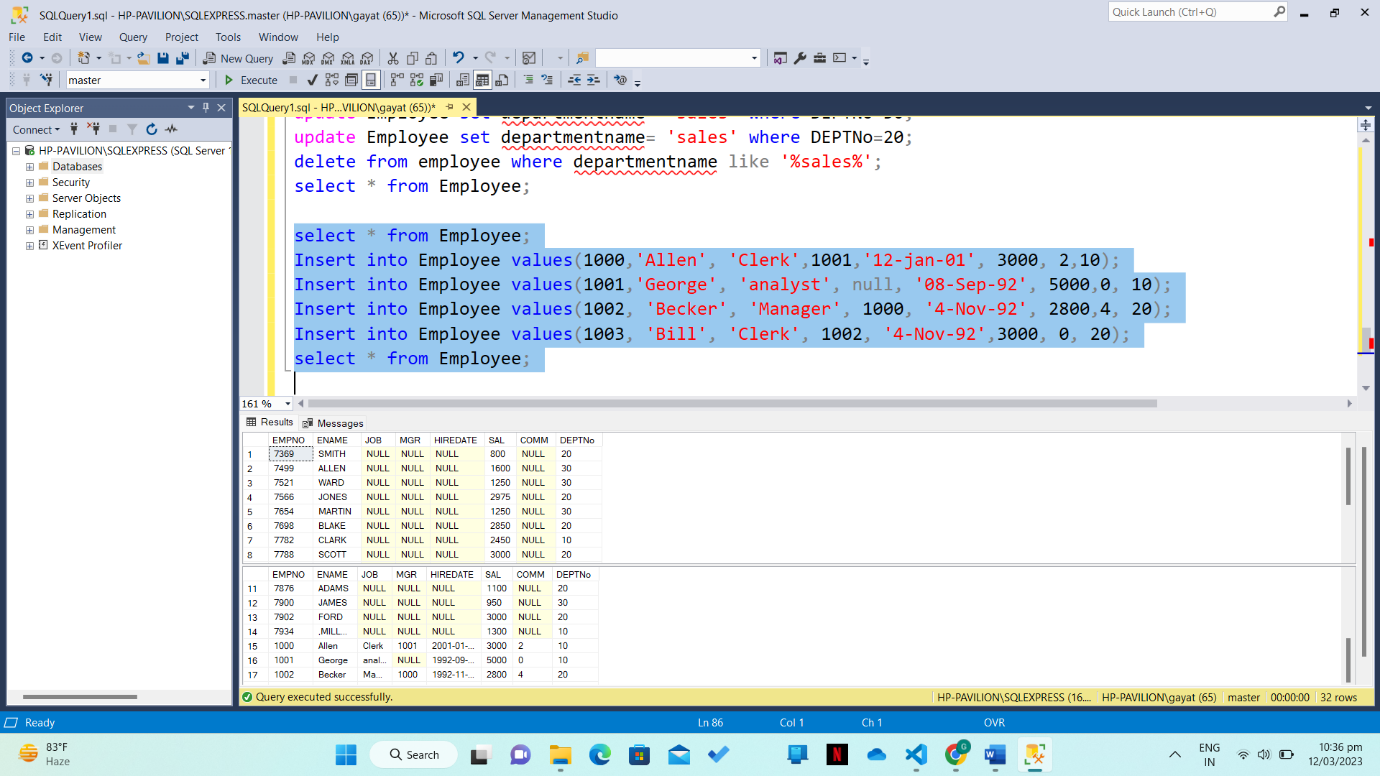
Insert into Employee values(1000,'Allen', 'Clerk',1001,'12-jan-01', 3000, 2,10);

Insert into Employee values(1001,'George', 'analyst', null, '08-Sep-92', 5000,0, 10);

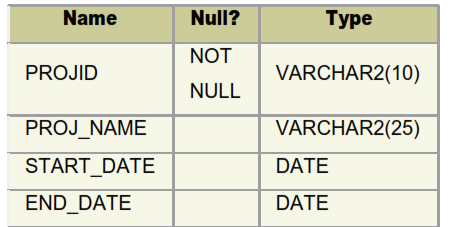
Insert into Employee values(1002, 'Becker', 'Manager', 1000, '4-Nov-92', 2800,4, 20);

Insert into Employee values(1003, 'Bill', 'Clerk', 1002, '4-Nov-92',3000, 0, 20);

select \* from Employee;



1. Create a Project Table with below structure



Create table Project (

PROJID varchar(10) not null,

PROJ\_NAME varchar(25),

START\_DATE date,

END\_DATE date

);

exec sp\_help Project;

Graphical user interface, text, application

Description automatically generated

1. Insert Records into Project Table as deemed necessary and relevant

Insert into project(PROJID, PROJ\_NAME, START\_DATE, END\_DATE)

Values(123, 'abc', '2022/01/23', '2022/02/23');

Insert into project(PROJID, PROJ\_NAME, START\_DATE, END\_DATE)

Values(124, 'pqr', '2022/03/23', '2022/04/23');

Insert into project(PROJID, PROJ\_NAME, START\_DATE, END\_DATE)

Values(124, 'xyz', '2022/06/23', '2022/07/23');

select \* from Project;

