Module 2 – SSIS

SCD1

**Bank Loan Transaction**

**Source Table**

**create** **table** TE\_FA\_Hrishikesh\_BankLoan

(

[LoanNr\_ChkDgt] **float**,

[Name] **nvarchar**(255),

[City] **nvarchar**(255),

[State] **nvarchar**(255),

[Zip] **float**,

[Bank] **nvarchar**(255),

[BankState] **nvarchar**(255),

[NAICS] **float**,

[ApprovalDate] **datetime**,

[ApprovalFY] **float**,

[Term] **float**,

[NoEmp] **float**,

[NewExist] **float**,

[CreateJob] **float**,

[RetainedJob] **float**,

[FranchiseCode] **float**,

[UrbanRural] **float**,

[RevLineCr] **nvarchar**(255),

[LowDoc] **nvarchar**(255),

[ChgOffDate] **datetime**,

[DisbursementDate] **datetime**,

[DisbursementGross] **nvarchar**(255),

[BalanceGross] **nvarchar**(255),

[MIS\_Status] **nvarchar**(255),

[ChgOffPrinGr] **nvarchar**(255),

[GrAppv] **nvarchar**(255),

[SBA\_Appv] **nvarchar**(255)

)

**select** \* **from** TE\_FA\_Hrishikesh\_BankLoan

**Target table**

**create** **table** TE\_FA\_Hrishikesh\_BankLoan\_Target

(

[LoanNr\_ChkDgt] **float**,

[Name] **nvarchar**(255),

[City] **nvarchar**(255),

[State] **nvarchar**(255),

[Zip] **float**,

[Bank] **nvarchar**(255),

[BankState] **nvarchar**(255),

[NAICS] **float**,

[ApprovalDate] **datetime**,

[ApprovalFY] **float**,

[Term] **float**,

[NoEmp] **float**,

[NewExist] **float**,

[CreateJob] **float**,

[RetainedJob] **float**,

[FranchiseCode] **float**,

[UrbanRural] **float**,

[RevLineCr] **nvarchar**(255),

[LowDoc] **nvarchar**(255),

[ChgOffDate] **datetime**,

[DisbursementDate] **datetime**,

[DisbursementGross] **nvarchar**(255),

[BalanceGross] **nvarchar**(255),

[MIS\_Status] **nvarchar**(255),

[ChgOffPrinGr] **nvarchar**(255),

[GrAppv] **nvarchar**(255),

[SBA\_Appv] **nvarchar**(255)

)

**select** \* **from** TE\_FA\_Hrishikesh\_BankLoan\_Target

**Update**

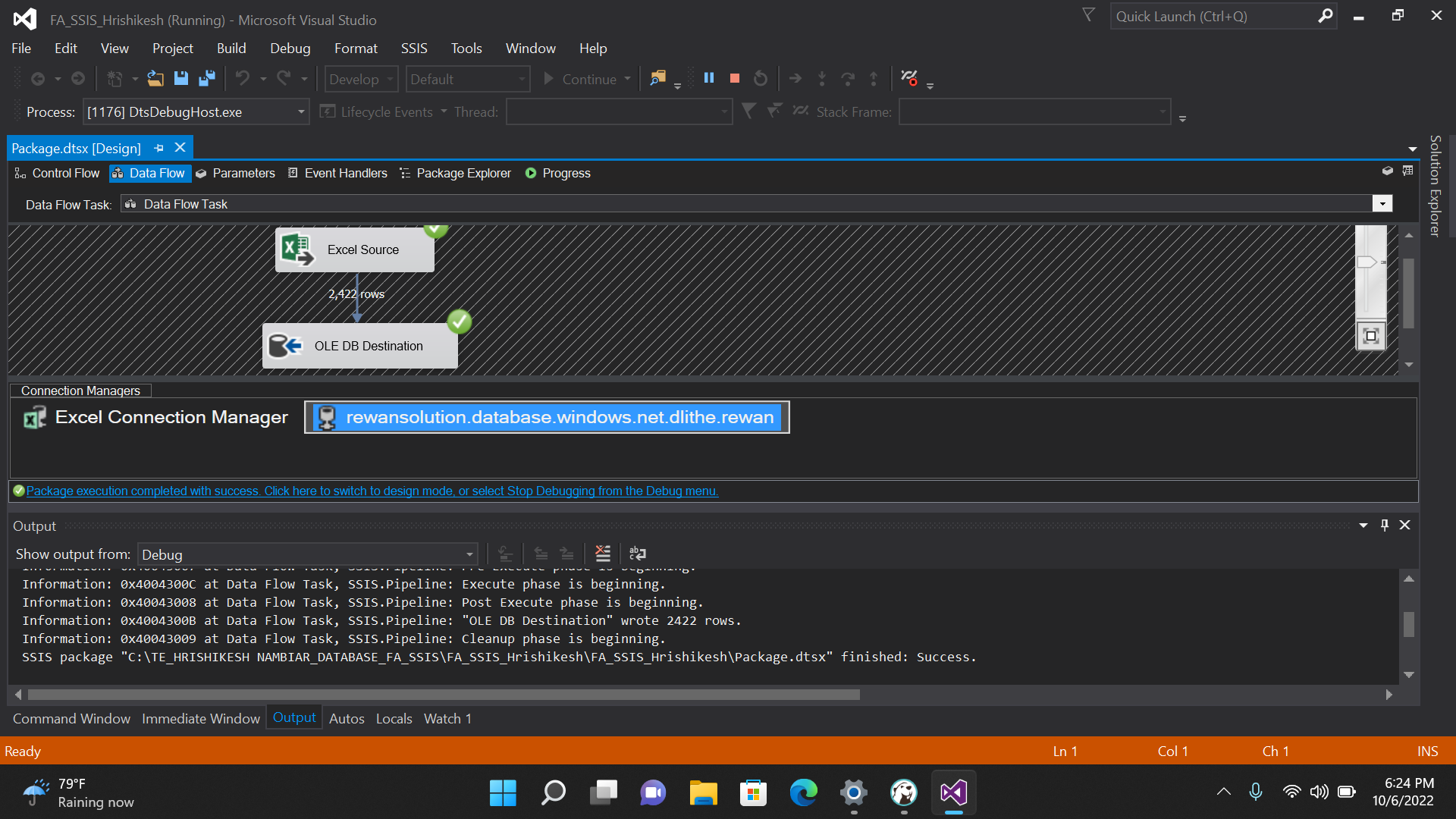
**update** TE\_FA\_Hrishikesh\_BankLoan\_Target

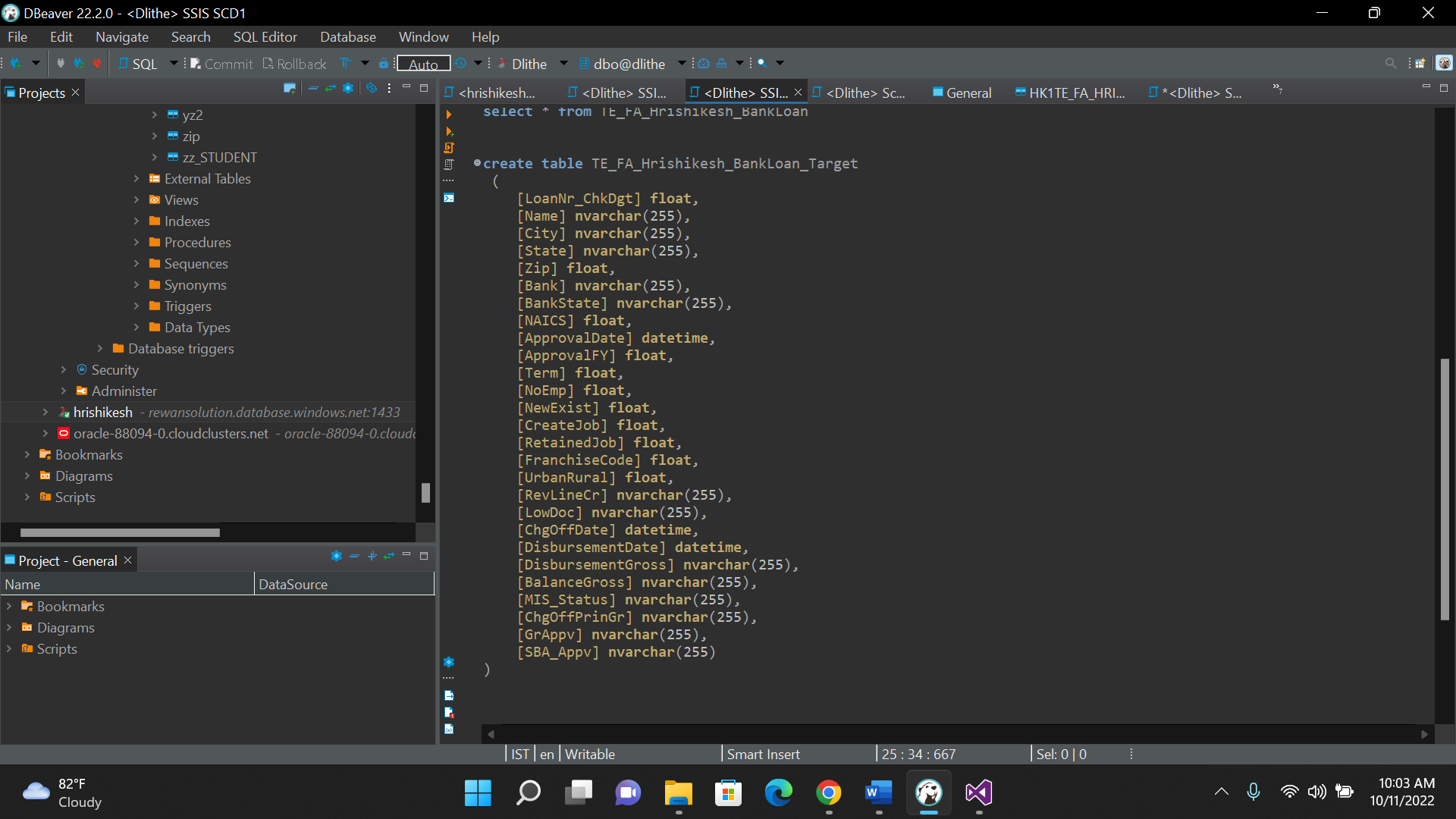
**set** Name = 'Hrishikesh' **where** LoanNr\_ChkDgt = 1000054004

**Aggregate**

**select** **min**(Noemp)**as** min\_noemp , **max**(Noemp) **as** max\_noemp **from** TE\_FA\_Hrishikesh\_BankLoan\_Target

1. **Insert Data from Excel to SQL**





A screenshot of a computer

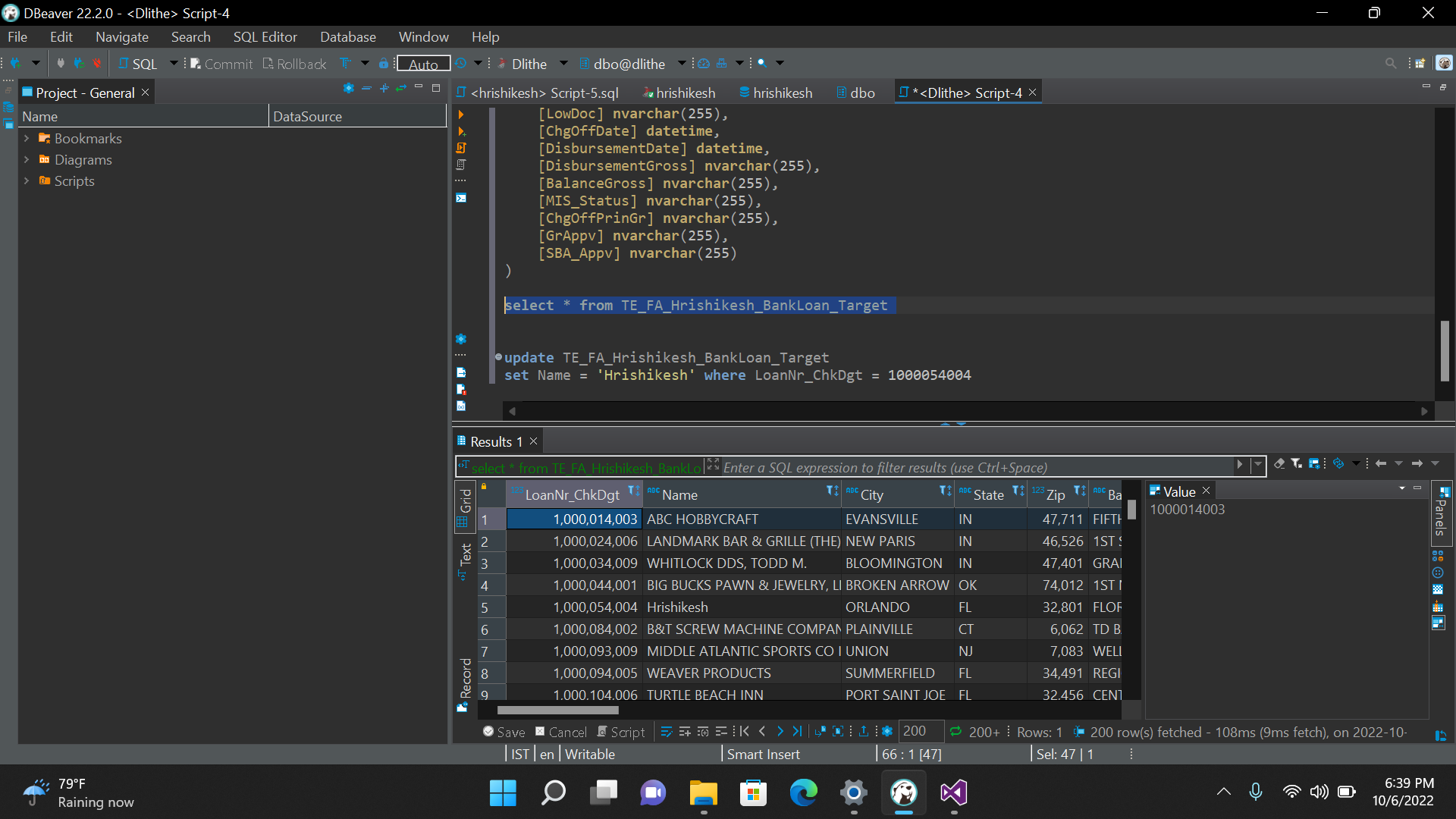
Description automatically generated

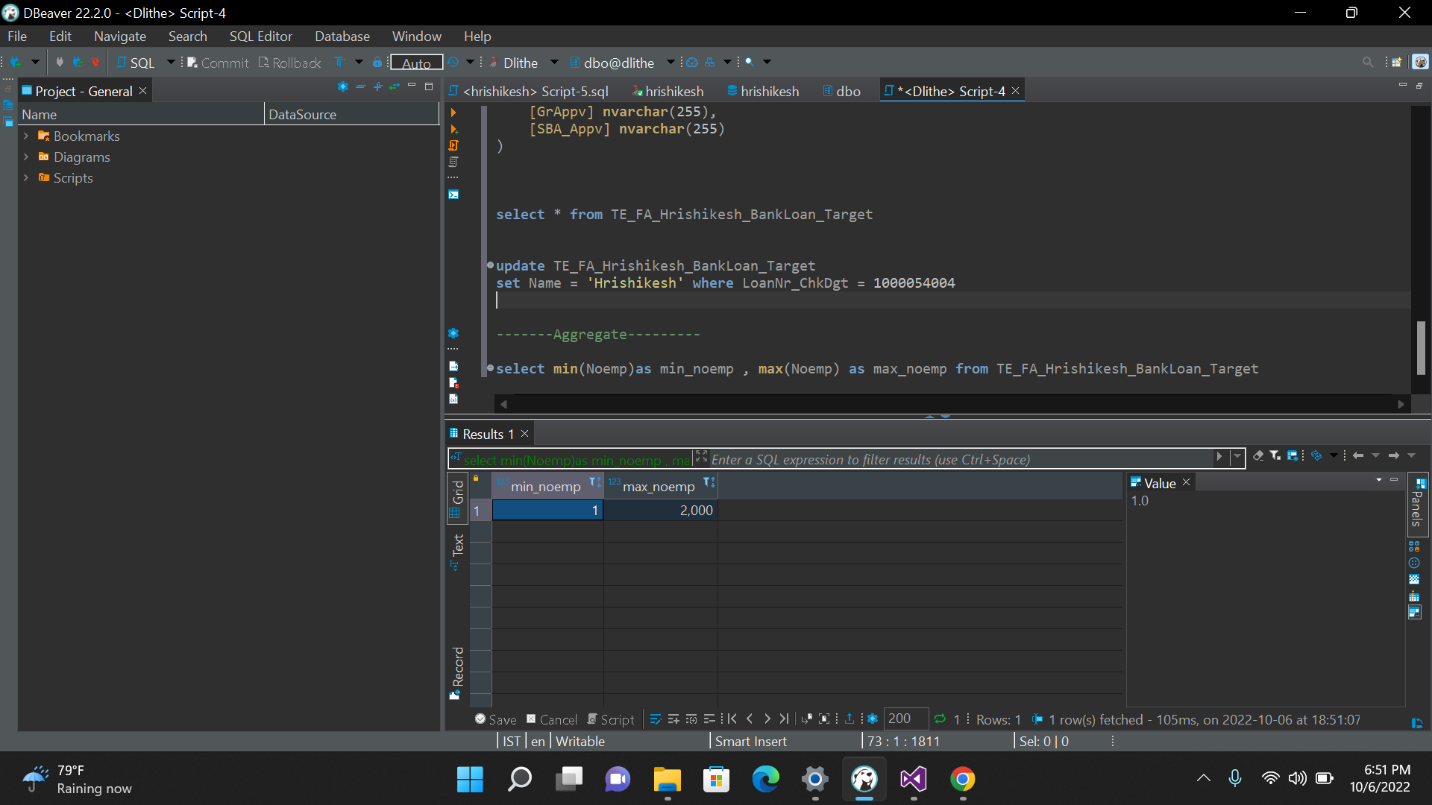
**2.Perform SCD1 Operation**

Graphical user interface

Description automatically generated

Update



Aggregate

SCD2

**Cinema Ticket**

**Source Table**

**Create** **Table** TE\_FA\_Hrishikesh\_CinemaTicket

(

[Film\_Type] **nvarchar**(255),

[film\_code] **float**,

[cinema\_code] **float**,

[total\_sales] **float**,

[tickets\_sold] **float**,

[tickets\_out] **float**,

[show\_time] **float**,

[occu\_perc] **float**,

[ticket\_price] **float**,

[ticket\_use] **float**,

[capacity] **float**,

[date] **datetime**,

[month] **float**,

[quarter] **float**,

[day] **float**

)

**select** \* **from** TE\_FA\_Hrishikesh\_CinemaTicket

**Target Table**

**Create** **Table** TE\_FA\_Hrishikesh\_CinemaTicket\_Target

(

[Film\_Type] **nvarchar**(255),

[film\_code] **float**,

[cinema\_code] **float**,

[total\_sales] **float**,

[tickets\_sold] **float**,

[tickets\_out] **float**,

[show\_time] **float**,

[occu\_perc] **float**,

[ticket\_price] **float**,

[ticket\_use] **float**,

[capacity] **float**,

[date] **datetime**,

[month] **float**,

[quarter] **float**,

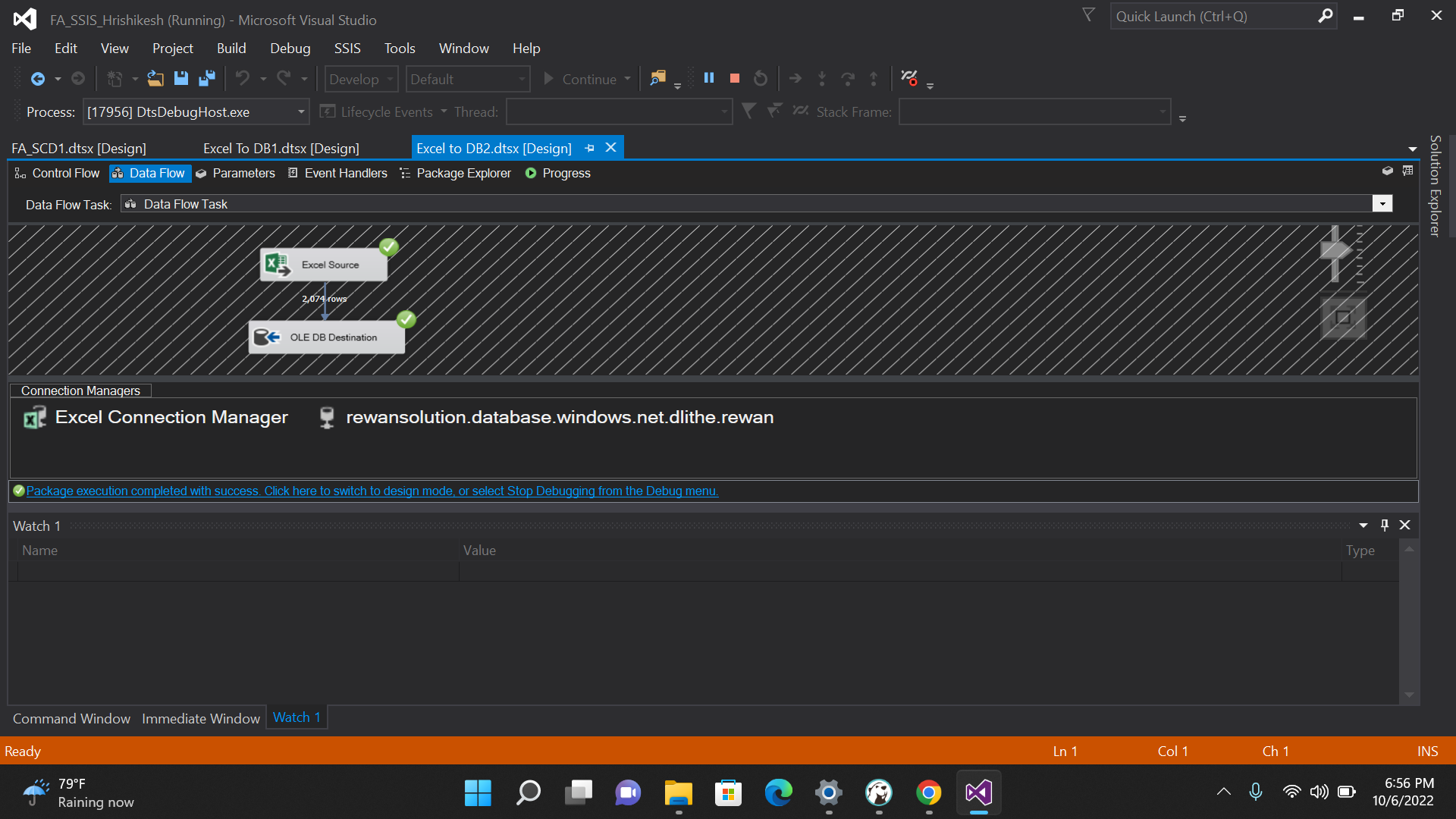
[day] **float**,

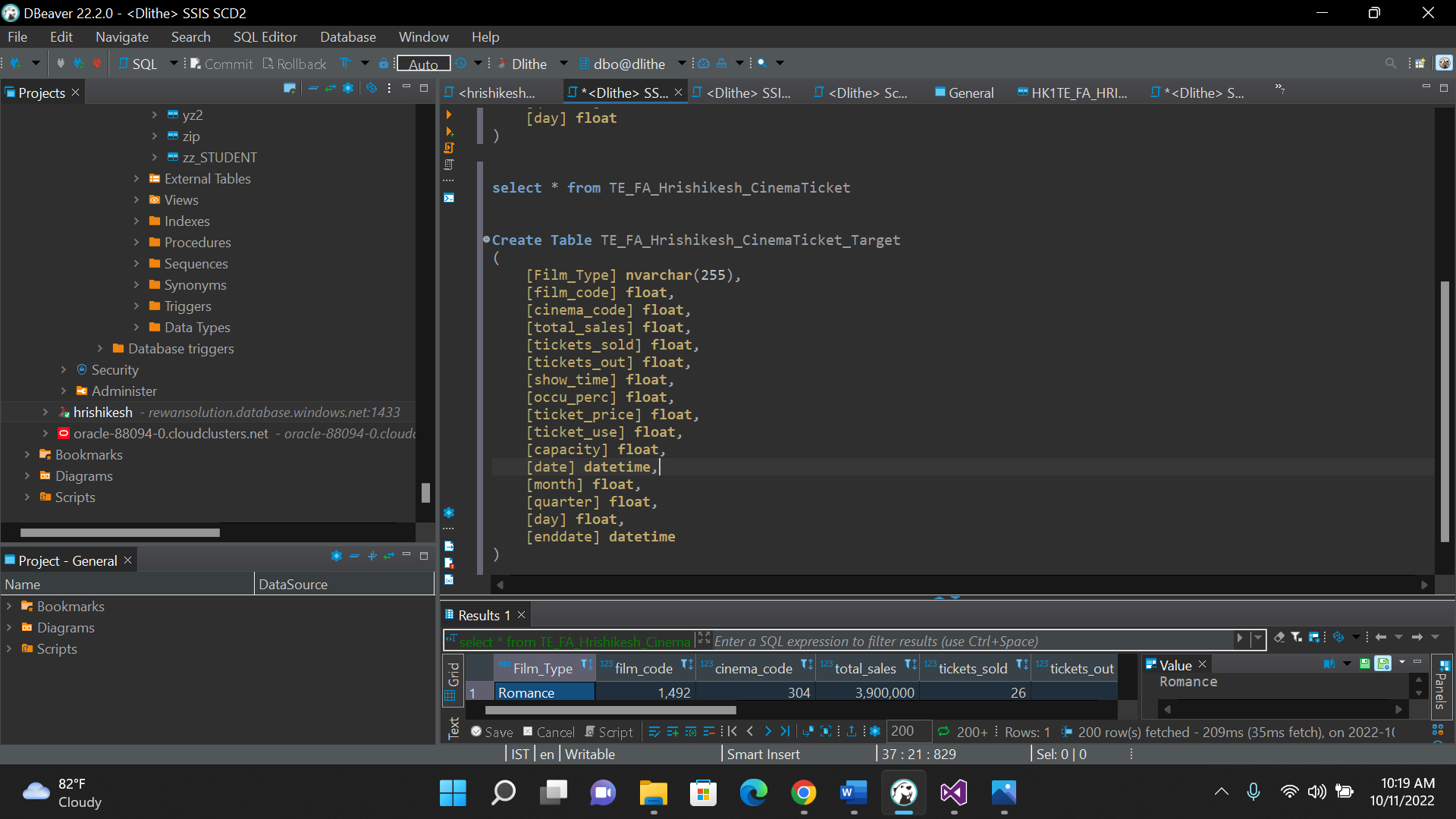
[enddate] **datetime**

)

**select** \* **from** TE\_FA\_Hrishikesh\_CinemaTicket\_Target

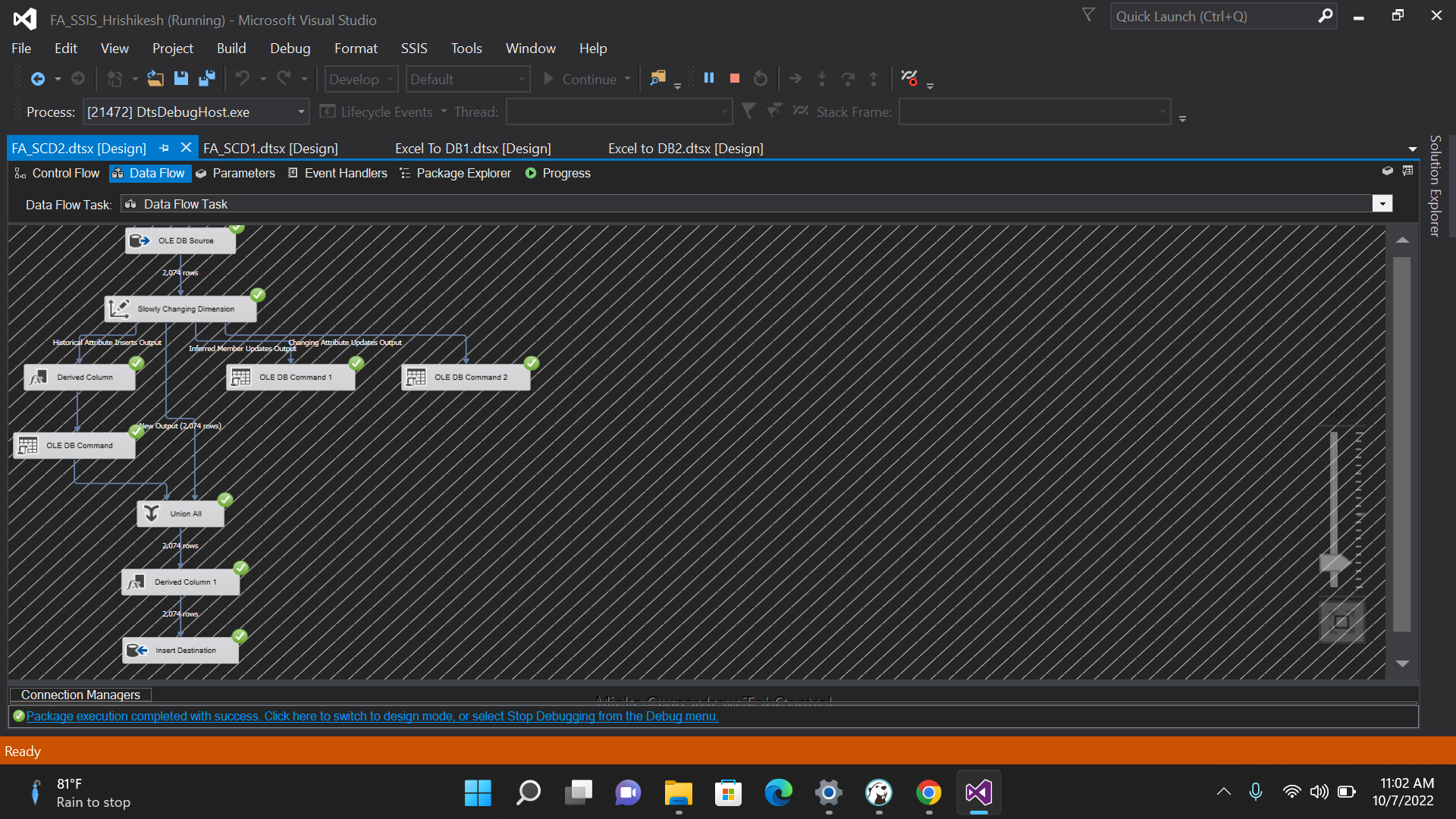
1. **Insert Data from Excel to SQL**





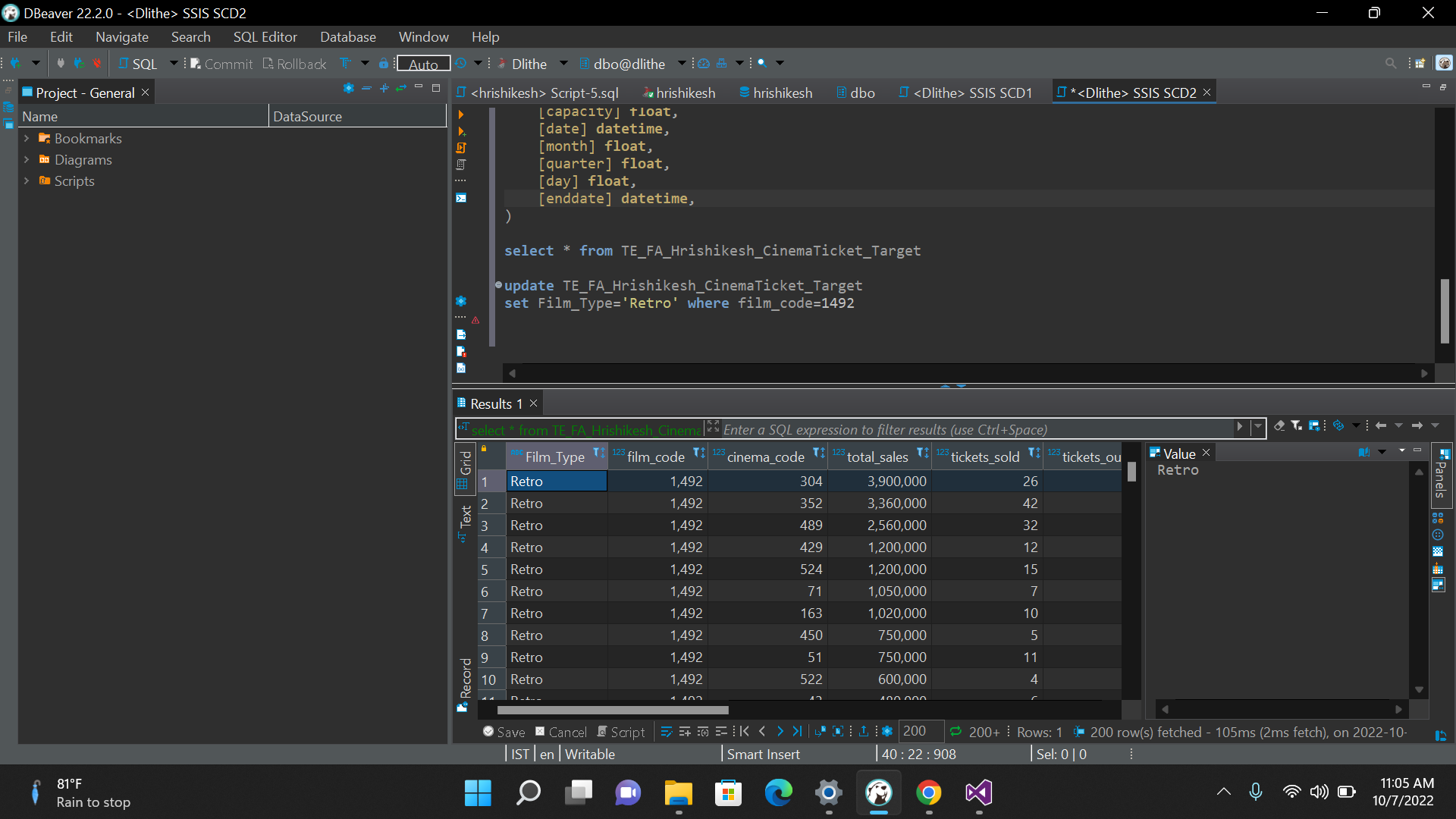
A screenshot of a computer

Description automatically generated with medium confidence

1. **Perform SCD2 Operation**

**Here we get execution result along with historical result.**

Update



A screenshot of a computer

Description automatically generated with medium confidenceAggregate