

SCD TYPE-0

DBBeaver 22.2.0 - <dlithe> Script

File Edit Navigate Search SQL Editor Database Window Help

Database Navigator > Projects > <dlithe> Script > <oracle-88094-0.cloudclusters.net> Script-1 > dlithe > dbo > SHK_VWEMP > AIC_EMP

Enter a part of object name here

dbo

- Tables
- External Tables
- Views
- ANS_EMP_DEP
- ANS_EMP_DEP2
- ANS_EMP_DEP3
- EMPLOYEE_VIEW
- EMP_VIEW
- EMP_VIEW1
- EMP_VIEW2
- EMP_VIEW3
- LV_VIEWEMP
- SHK_VWEMP
- SKT_VIEW_JOIN_2TABLE
- SS_personview
- VW_EMPLOYEE
- ap 11

```

CREATE TABLE SHK_SCD2(
    id INT,
    name VARCHAR(100),
    age INT,
    salary INT,
    department VARCHAR(100),
    place VARCHAR(100)
);

CREATE TABLE SHK_SCD3(
    id INT,
    name VARCHAR(100),
    age INT,
    salary INT,
    department VARCHAR(100),
    place VARCHAR(100)
);

INSERT INTO SHK_SCD2 VALUES(1,'darshan',23,10000,'manager','delhi');
INSERT INTO SHK_SCD2 VALUES(2,'shon',23,20000,'db','kolkata');
INSERT INTO SHK_SCD2 VALUES(3,'sudeep',23,50000,'test','lucknow');

SELECT * FROM SHK_SCD2;

```

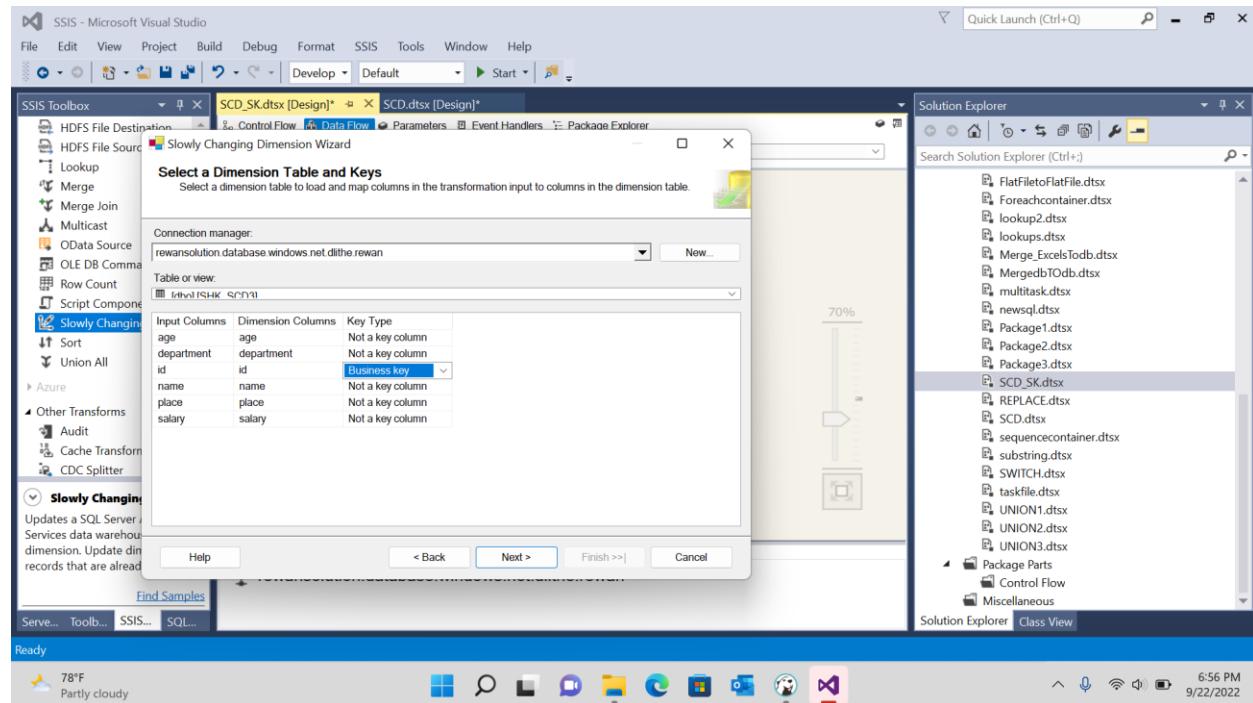
Results 1 > SQL Terminal > Output

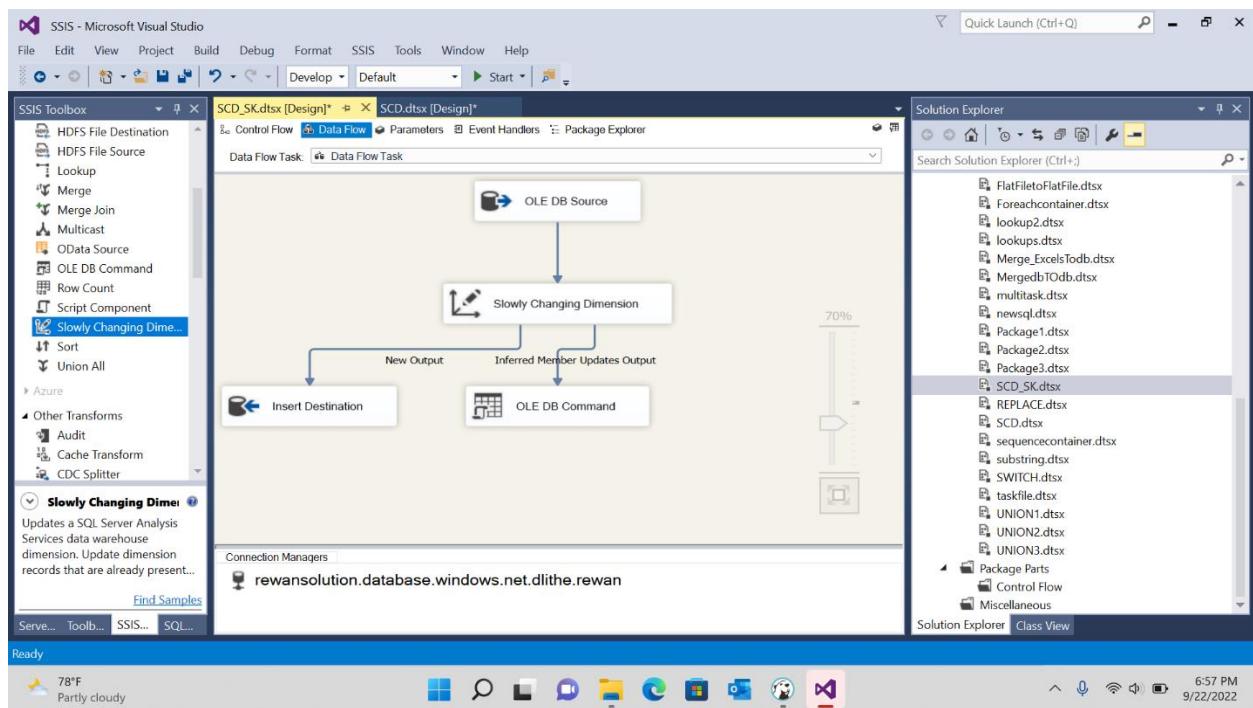
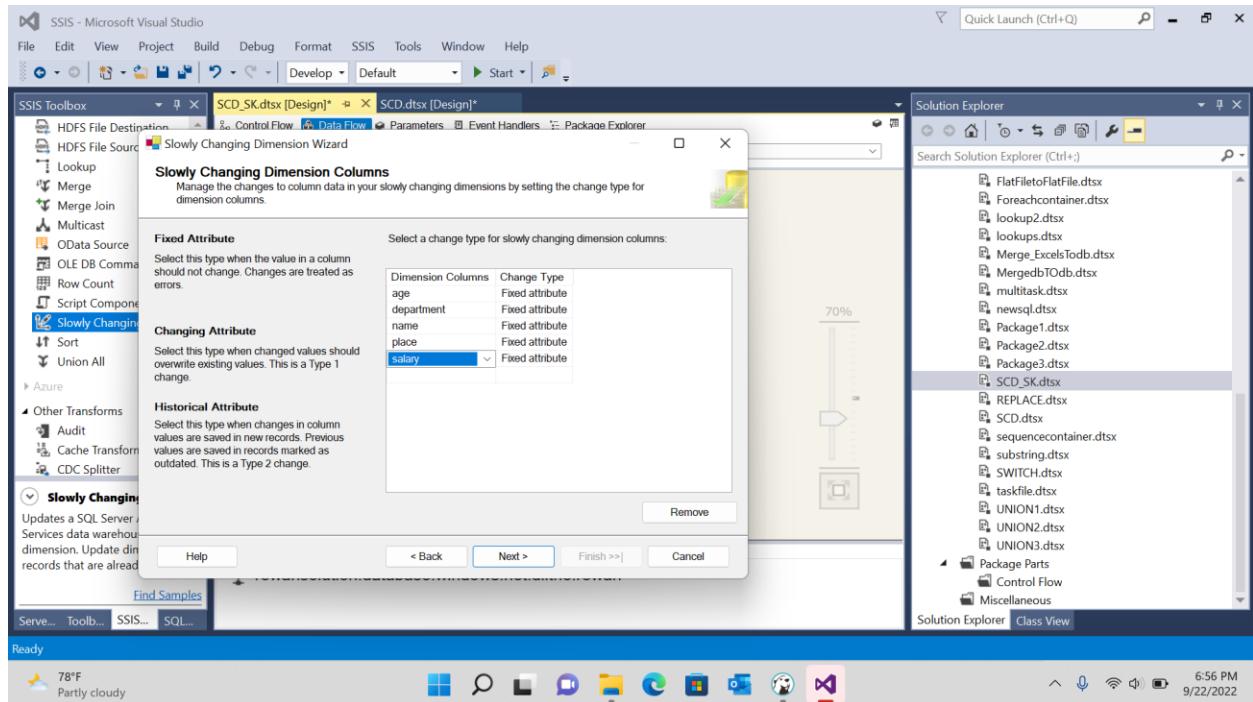
SELECT * FROM SHK_SCD2

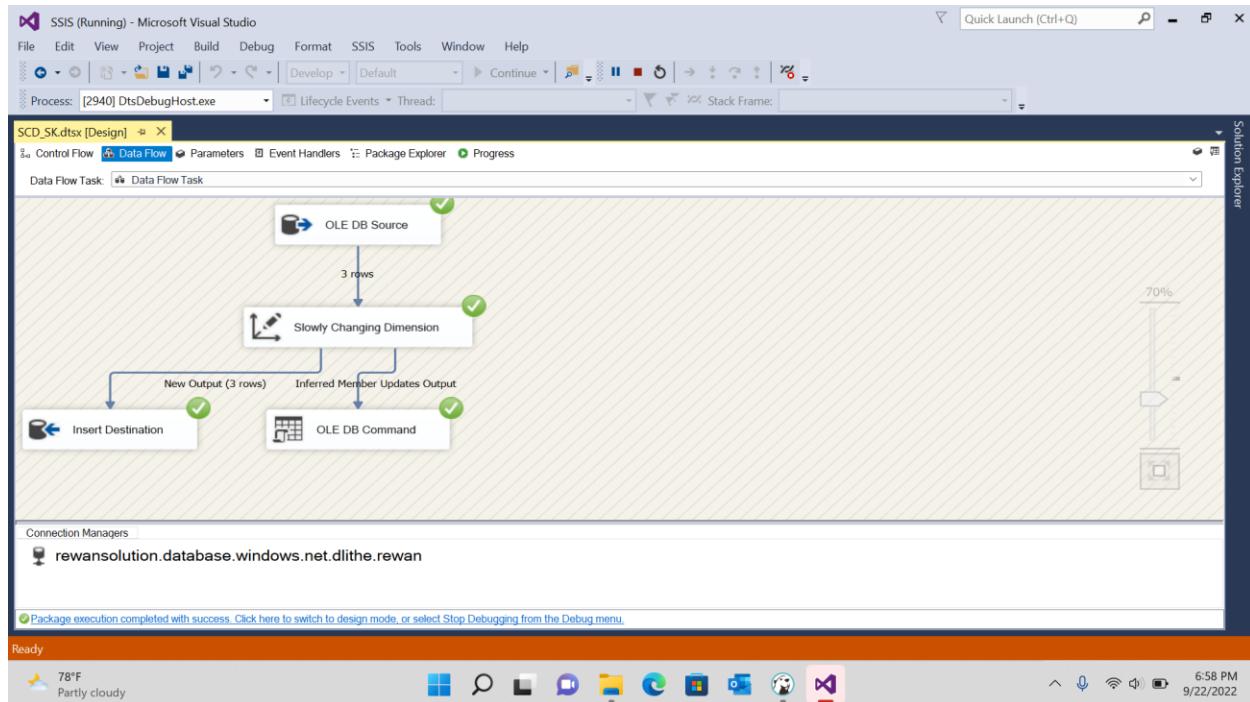
	id	name	age	salary	department	place
1	1	darshan	23	10,000	manager	delhi
2	2	shon	23	20,000	db	kolkata
3	3	sudeep	23	50,000	test	lucknow

ord Save Cancel Script IST|en Writable Smart Insert 1075 : 24 : 25798 Sel: 0 | 0

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DBBeaver 22.2.0 - <dlithe> Script

File Edit Navigate Search SQL Editor Database Window Help

Database Navigator Projects

Enter a part of object name here

dbo

```

CREATE TABLE SHK_SCD3(
    id INT,
    name VARCHAR(100),
    age INT,
    salary INT,
    department VARCHAR(100),
    place VARCHAR(100)
);

CREATE TABLE SHK_SCD2(
    id INT,
    name VARCHAR(100),
    age INT,
    salary INT,
    department VARCHAR(100),
    place VARCHAR(100)
);

INSERT INTO SHK_SCD2 VALUES(1, 'darshan', 23, 10000, 'manager', 'delhi');
INSERT INTO SHK_SCD2 VALUES(2, 'shon', 23, 20000, 'db', 'kolkata');
INSERT INTO SHK_SCD2 VALUES(3, 'sudeep', 23, 50000, 'test', 'lucknow');

SELECT * FROM SHK_SCD3;
  
```

Results 1 × SQL Terminal Output

	id	name	age	salary	department	place
1	1	darshan	23	10,000	manager	delhi
2	2	shon	23	20,000	db	kolkata
3	3	sudeep	23	50,000	test	lucknow

Project - General

Name DataSour...
Bookmarks Diagrams Scripts

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DBeaver 22.0 - <dlithe> Script

File Edit Navigate Search SQL Editor Database Window Help

Database Navigator > Projects

Enter a part of object name here

dbo

- Tables
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 - SKT_VIEW_JOIN_2TABLE
 - SS_personview
 - VW_EMPLOYEE
 - ap 11

<dlithe> Script <oracle-88094-0.cloudclusters.net> Script-1

```

CREATE TABLE SHK_SCD3(
    id INT,
    name VARCHAR(100),
    age INT,
    salary INT,
    department VARCHAR(100),
    place VARCHAR(100)
);

INSERT INTO SHK_SCD2 VALUES(1,'darshan',23,10000,'manager','delhi');
INSERT INTO SHK_SCD2 VALUES(2,'shon',23,20000,'db','kolkata');
INSERT INTO SHK_SCD2 VALUES(3,'sudeep',23,50000,'test','lucknow');

SELECT * FROM SHK_SCD2;

UPDATE SHK_SCD2
SET name='shravan' WHERE id=1;

```

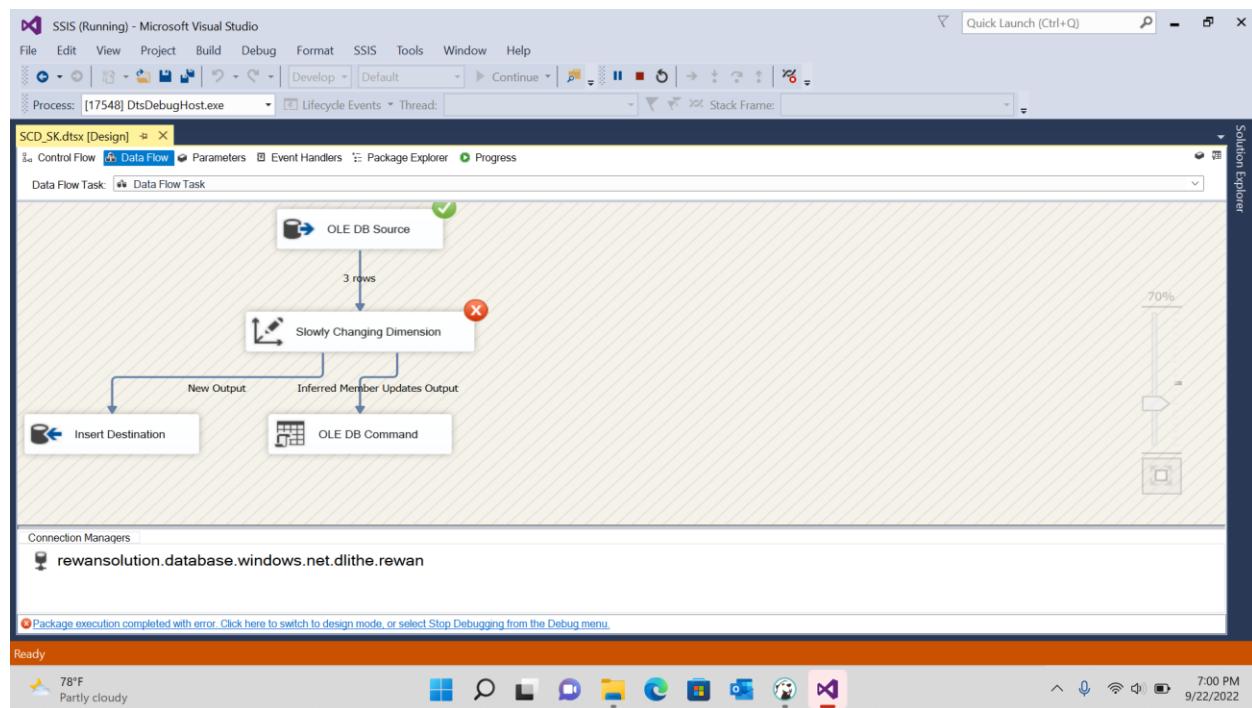
Results 1 > SQL Terminal Output

	id	name	age	salary	department	place
Grid	1	shiravan	23	10,000	manager	delhi
Text	2	2 shon	23	20,000	db	kolkata
Record	3	3 sudeep	23	50,000	test	lucknow

1 Row(s) fetched - 207ms. on 2022-09-22 at 18:59:47

IST | en | Writable | Smart Insert | 1078 : 31 : 25850 | Sel: 0 | 0

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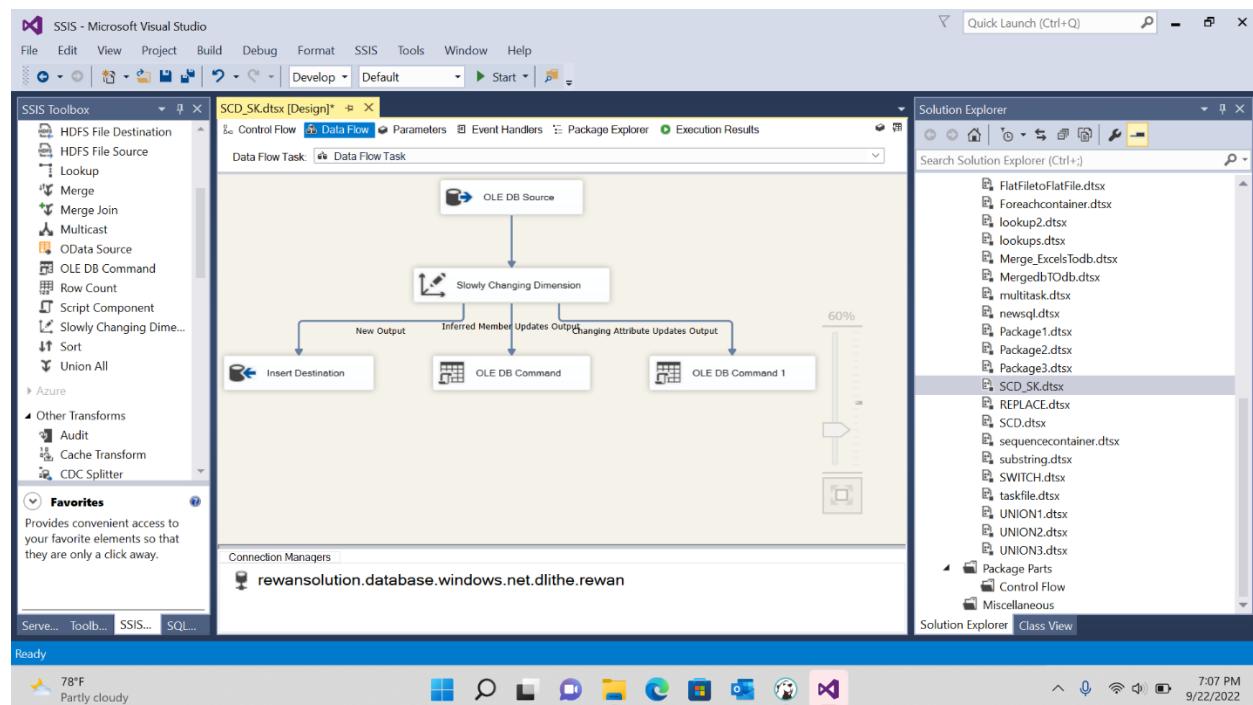


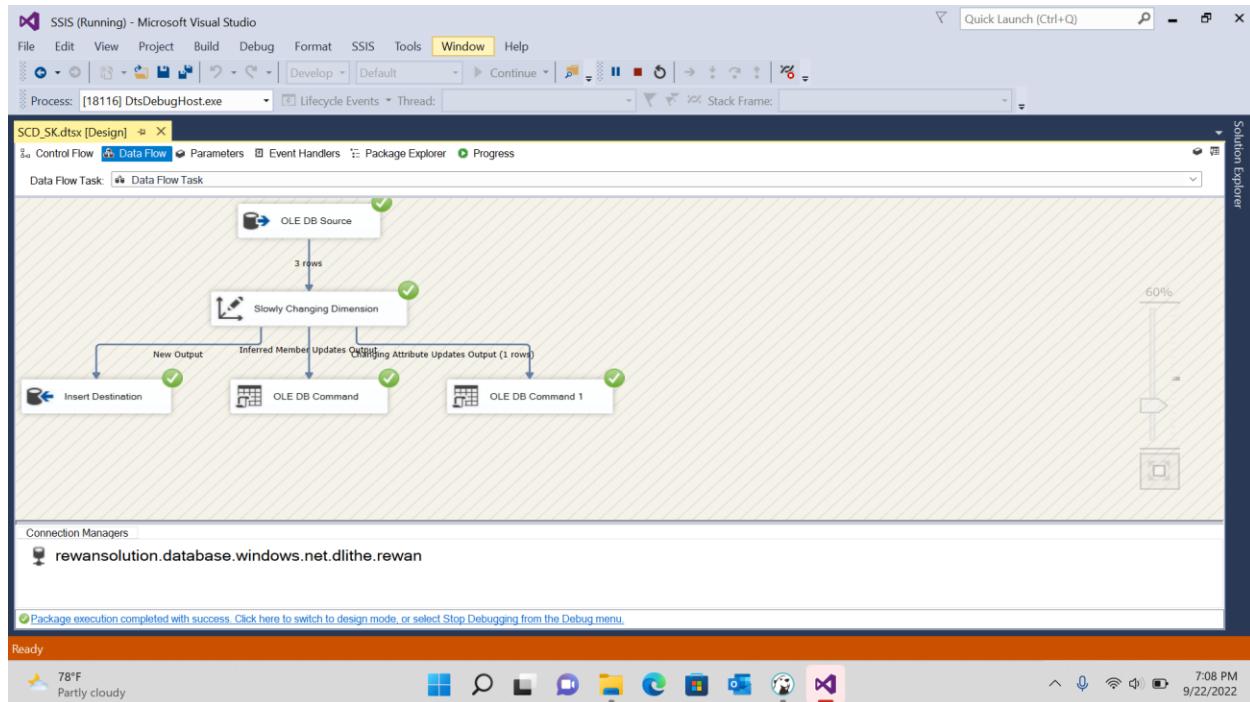
SCD Type-1

The screenshot shows the DBBeaver interface with the following details:

- Top Bar:** DBBeaver 22.2.0 - <dlithe> Script. Includes File, Edit, Navigate, Search, SQL Editor, Database, Window, Help menus.
- Toolbar:** Includes icons for New, Open, Save, Commit, Rollback, Auto, and various search and filter options.
- Database Navigator:** Shows a tree view of the database structure under the 'dbo' schema, including Tables, External Tables, and Views.
- Script Editor:** Contains a SQL script for creating a table and inserting data into it, followed by several UPDATE statements.
- Results Tab:** Shows the output of the 'SELECT * FROM SHK_SC2D' query, displaying three rows of data.
- Bottom Status Bar:** Shows connection information (oracle-88094-0.cloudclusters.net, Script-1, dbo@dlithe), row count (1078), and other metrics.

ID	Name	Age	Salary	Department	Place
1	shravan	23	10,000	java	delhi
2	shon	23	20,000	db	kolkata
3	sudeep	23	50,000	test	lucknow





DBeaver 22.2.0 - <dlithe> Script

File Edit Navigate Search SQL Editor Database Window Help

Database Navigator X Projects

Enter a part of object name here

- dbo
 - Tables
 - External Tables
 - Views
 - ANS_EMP_DEP
 - ANS_EMP_DEP2
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 - EMP_VIEW3
 - LV_VIEWEMP
 - SHK_VWEMP
 - SKT_VIEW_JOIN_2TABLE
 - SS_personview
 - VW_EMPLOYEE
 - ap 11

Auto dlithe dbo@dlithe

```

+<dlithe> Script <oracle-88094-0.cloudclusters.net> Script-1
  name VARCHAR(100),
  age INT,
  salary INT,
  department VARCHAR(100),
  place VARCHAR(100)
);

INSERT INTO SHK_SCD2 VALUES(1,'darshan',23,10000,'manager','delhi');
INSERT INTO SHK_SCD2 VALUES(2,'shon',23,20000,'db','kolkata');
INSERT INTO SHK_SCD2 VALUES(3,'sudeep',23,50000,'test','lucknow');

SELECT * FROM SHK_SCD2;

--UPDATE SHK_SCD2
--SET name='shravan' WHERE id=1

UPDATE SHK_SCD2
SET department='java' WHERE id=1;

SELECT * FROM SHK_SCD3;
  
```

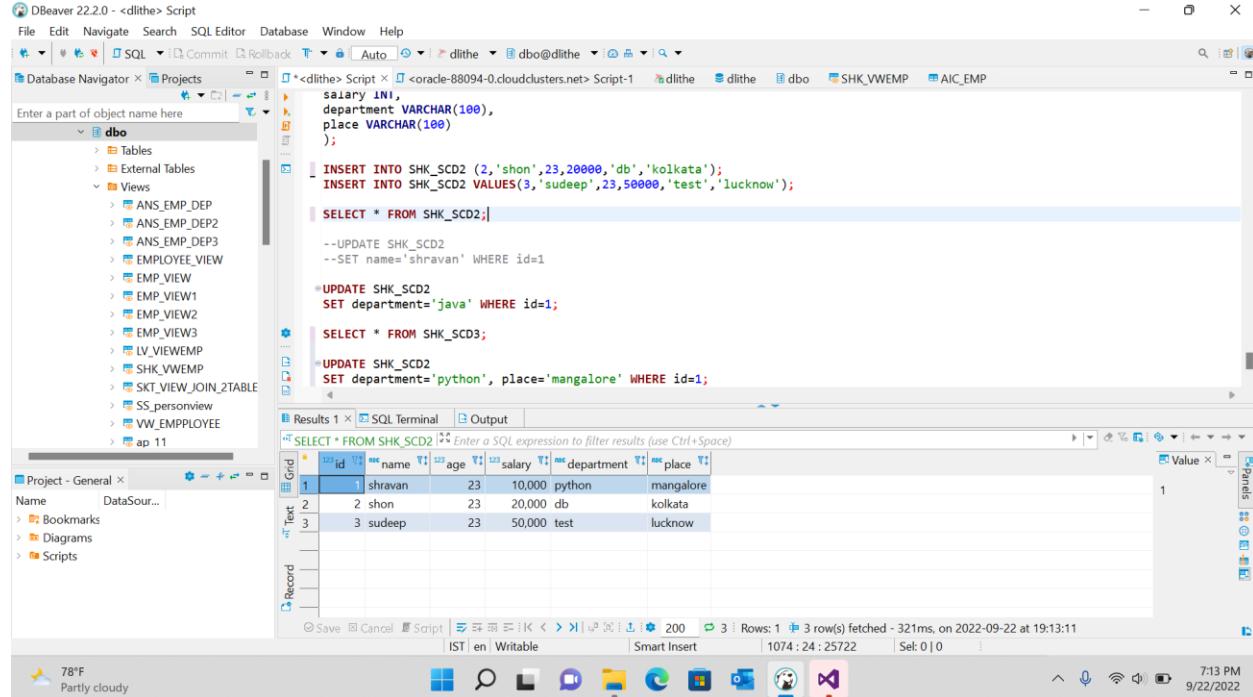
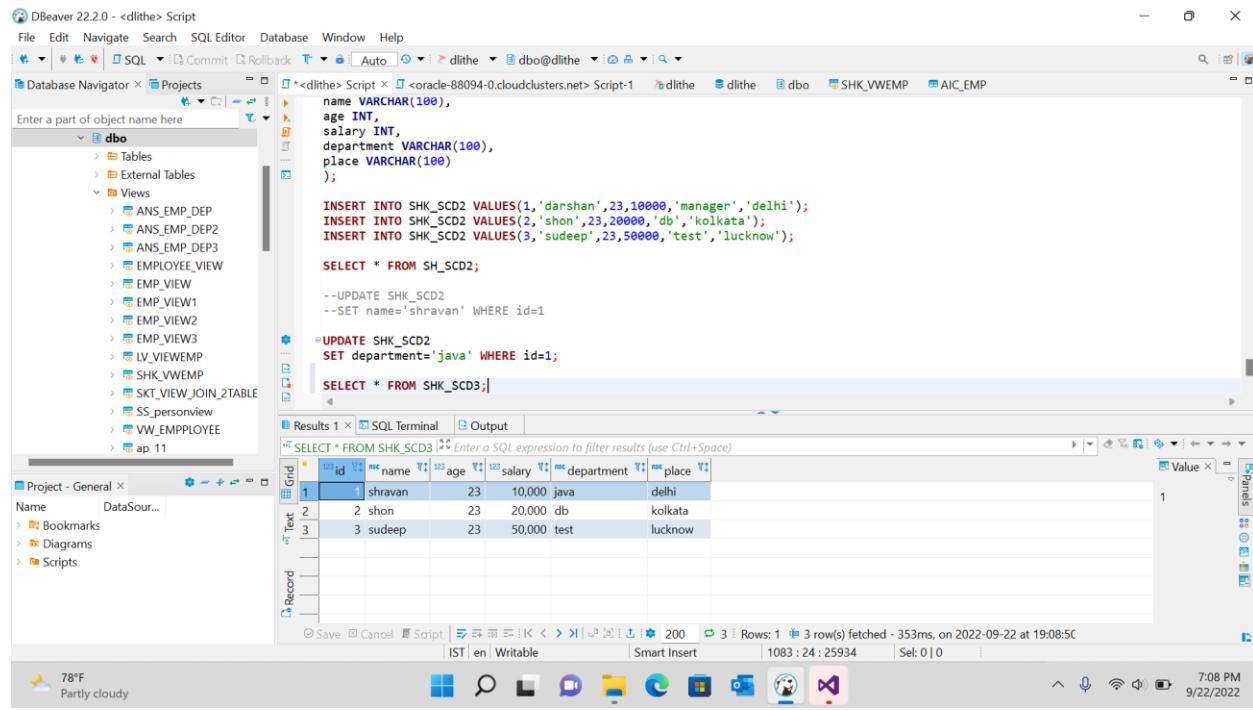
Results 1 × SQL Terminal Output

	id	name	age	salary	department	place
Grid	1	shravan	23	10,000	java	delhi
Text	2	shon	23	20,000	db	kolkata
Record	3	sudeep	23	50,000	test	lucknow

Save Cancel Script IST en Writable Smart Insert 1083 : 24 : 25934 Sel: 0 | 0 7:08 PM 9/22/2022

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SCD Type-2



DBBeaver 22.2.0 - <dlithe> Script

File Edit Navigate Search SQL Editor Database Window Help

Database Navigator > Projects

Enter a part of object name here

dbo

- Tables
- External Tables
- Views
 - ANS_EMP_DEP
 - ANS_EMP_DEP2
 - ANS_EMP_DEP3
 - EMPLOYEE_VIEW
 - EMP_VIEW
 - EMP_VIEW1
 - EMP_VIEW2
 - EMP_VIEW3
 - LV_VIEWEMP
 - SHK_VWEMP
 - SKT_VIEW_JOIN_2TABLE
 - SS_personview
 - VW_EMPLOYEE
 - ap_11

Project - General

Name DataSour...

Bookmarks

Diagrams

Scripts

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```


--> <dlithe> Script < oracle-88094-0.cloudclusters.net> Script-1 < dbo > < dlithe > < dbo > SHK_VWEMP < AIC_EMP >

;
INSERT INTO SHK_SCD2 (2,'shon',23,20000,'db','kolkata');
INSERT INTO SHK_SCD2 VALUES(3,'sudeep',23,50000,'test','lucknow');

SELECT * FROM SHK_SCD2;

--UPDATE SHK_SCD2
--SET name='shravan' WHERE id=1

UPDATE SHK_SCD2
SET department='java' WHERE id=1;

SELECT * FROM SHK_SCD3;

UPDATE SHK_SCD2
SET department='python', place='mangalore' WHERE id=1;

ALTER TABLE SHK_SCD3
ADD START_DATE DATE, END_DATE DATE;


```

Results 1 > SQL Terminal Output

SELECT * FROM SHK_SCD3

id	name	age	salary	department	place	START_DATE	END_DATE
1	shiran	23	10,000	java	delhi	[NULL]	[NULL]
2	shon	23	20,000	db	kolkata	[NULL]	[NULL]
3	sudeep	23	50,000	test	lucknow	[NULL]	[NULL]

1 Row(s) fetched - 485ms. on 2022-09-22 at 19:25:26

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SSIS - Microsoft Visual Studio

File Edit View Project Build Debug Format SSIS Tools Window Help

SSIS Toolbox

- HDFS File Destination
- HDFS File Source
- Lookup
- Merge
- Merge Join
- Multicast
- OData Source
- OLE DB Command
- Row Count
- Script Component
- Slowly Changing Dimension
- Sort
- Union All
- Azure
- Other Transformations
- Audit
- Cache Transform
- CDC Splitter
- Favorites**

Provides convenient access to your favorite elements so they are only a click away.

SSD.SKDTSX [Design] > X

Control Flow Data Flow Parameters Event Handlers Package Explorer Execution Results

Slowly Changing Dimension Wizard

Slowly Changing Dimension Columns

Select the changes to column data in your slowly changing dimensions by setting the change type for dimension columns.

Fixed Attribute

Select this type when the value in a column should not change. Changes are treated as errors.

Dimension Columns	Change Type
age	Fixed attribute
department	Historical attr...
name	Changing attr...
place	Historical attr...
salary	Fixed attribute

Changing Attribute

Select this type when changed values should overwrite existing values. This is a Type 1 change.

Historical Attribute

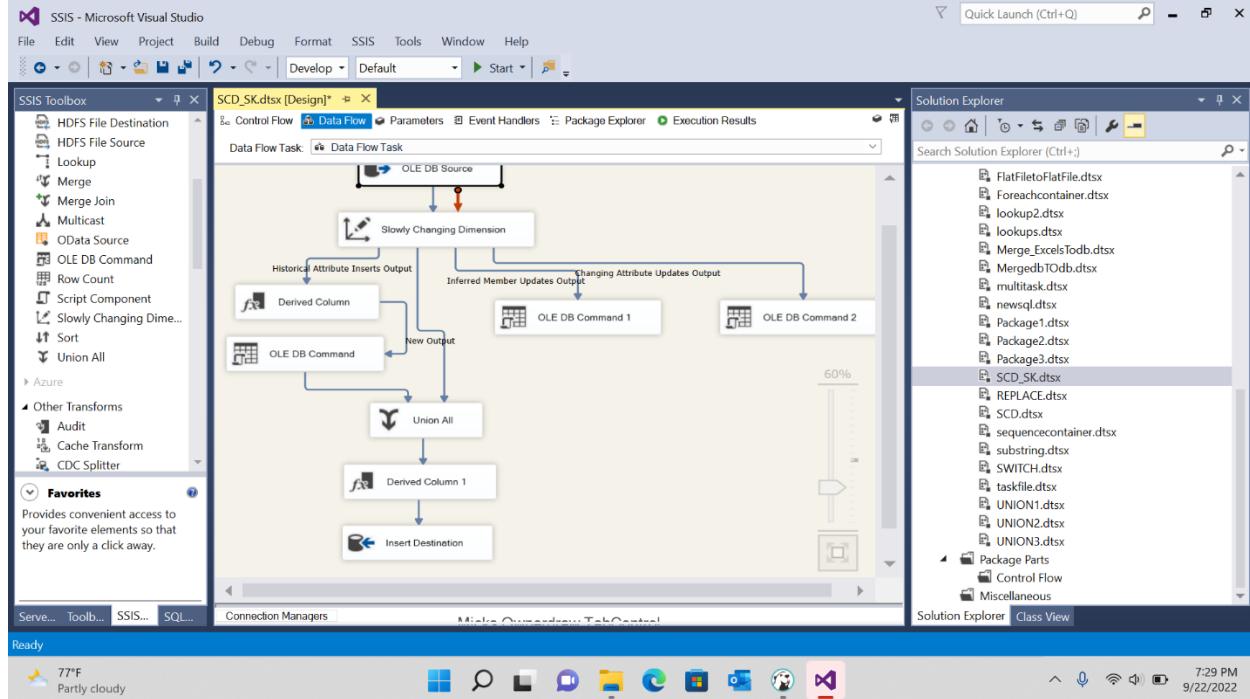
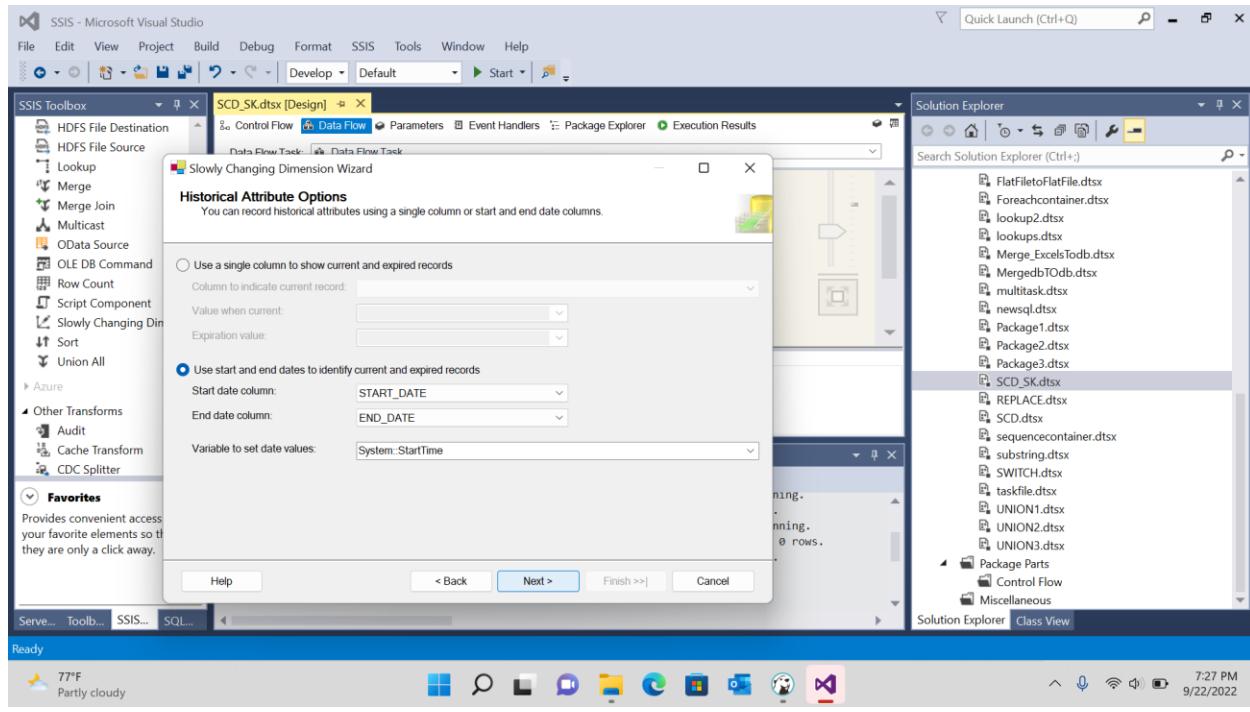
Select this type when changes in column values are saved in new records. Previous values are saved in records marked as outdated. This is a Type 2 change.

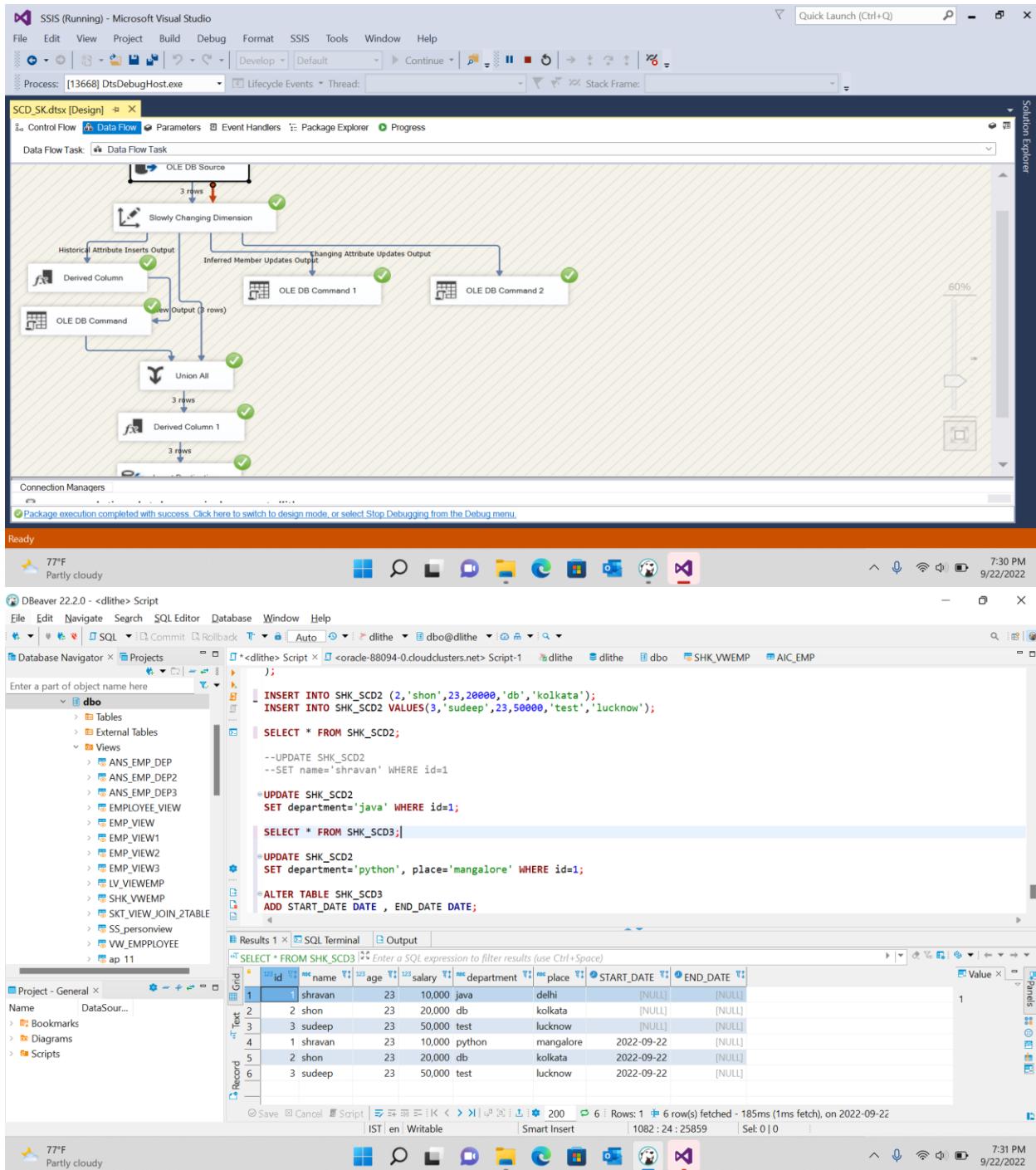
Help < Back Next > Finish >> Cancel

Solution Explorer

- FlatFiletoFlatFile.dtsx
- ForEachContainer.dtsx
- lookup2.dtsx
- lookups.dtsx
- MergeExcelstoDB.dtsx
- MergeDBtoDB.dtsx
- multitask.dtsx
- newSQL.dtsx
- Package1.dtsx
- Package2.dtsx
- Package3.dtsx
- SCD_SK.dtsx
- REPLACE.dtsx
- SCD.dts
- SequenceContainer.dtsx
- substring.dtsx
- SWITCH.dtsx
- taskfile.dtsx
- UNION1.dtsx
- UNION2.dtsx
- UNION3.dtsx
- Package Parts
- Control Flow
- Miscellaneous

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DBeaver 22.2.0 - <dlithe> Script

File Edit Navigate Search SQL Editor Database Window Help

Database Navigator > <dlithe> Script > oracle-88094-0.cloudclusters.net Script-1 > dlite > dlite > dbo > SHK_VWEMP > AIC_EMP

```

INSERT INTO SHK_SCD2 VALUES(3,'sudeep',23,50000,'test','lucknow');

SELECT * FROM SHK_SCD2;

--UPDATE SHK_SCD2
--SET name='shravan' WHERE id=1

UPDATE SHK_SCD2
SET department='java' WHERE id=1;

SELECT * FROM SHK_SCD3;

UPDATE SHK_SCD2
SET department='python', place='mangalore' WHERE id=1;

ALTER TABLE SHK_SCD3
ADD START_DATE DATE, END_DATE DATE;

UPDATE SHK_SCD2
SET department='Cloud' WHERE id =1;

```

Results 1 × SQL Terminal

SELECT * FROM SHK_SCD2 Enter a SQL expression to filter results (use Ctrl+Space)

ID	Name	Age	Salary	Department	Place
1	shravan	23	10,000	Cloud	mangalore
2	shon	23	20,000	db	kolkata
3	sudeep	23	50,000	test	lucknow

Project - General ×

Name DataSource

Bookmarks Diagrams Scripts

76°F Mostly sunny 10:32 AM 9/23/2022

