**SCD workshop assignment:**

DDL scripts for  
a. etl\_job

'etl\_job', 'CREATE TABLE `etl\_job` (\n `job\_id` int NOT NULL AUTO\_INCREMENT,\n `job\_name` varchar(50) DEFAULT NULL,\n `table\_name` varchar(32) DEFAULT NULL,\n `schedule` varchar(20) DEFAULT NULL,\n `created\_by` varchar(20) DEFAULT NULL,\n `created\_date` datetime DEFAULT NULL,\n PRIMARY KEY (`job\_id`)\n) ENGINE=MyISAM AUTO\_INCREMENT=28 DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_0900\_ai\_ci'

b. etl\_job\_log

'etl\_job\_log', 'CREATE TABLE `etl\_job\_log` (\n `job\_log\_id` int NOT NULL AUTO\_INCREMENT,\n `job\_id` int NOT NULL,\n `job\_status` varchar(20) DEFAULT NULL,\n `created\_by` varchar(20) DEFAULT NULL,\n `created\_date` datetime DEFAULT NULL,\n PRIMARY KEY (`job\_log\_id`)\n) ENGINE=MyISAM AUTO\_INCREMENT=7 DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_0900\_ai\_ci'

c. ProductPriceHistorySCD table

'productpricehistoryscd', 'CREATE TABLE `productpricehistoryscd` (\n `SCD\_SK` int NOT NULL AUTO\_INCREMENT,\n `ProductID` int NOT NULL,\n `ProductName` varchar(50) DEFAULT NULL,\n `ListPrice` decimal(19,4) DEFAULT NULL,\n `scd\_start` date DEFAULT NULL,\n `scd\_end` date DEFAULT NULL,\n `scd\_version` int DEFAULT NULL,\n `scd\_active` int DEFAULT NULL,\n `DI\_JobId` varchar(20) DEFAULT NULL,\n `DI\_CreateDate` date DEFAULT NULL,\n PRIMARY KEY (`SCD\_SK`)\n) ENGINE=InnoDB AUTO\_INCREMENT=1261 DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_0900\_ai\_ci'

d. ProductCostHistorySCD table

'productcosthistoryscd', 'CREATE TABLE `productcosthistoryscd` (\n `SCD\_SK` int NOT NULL AUTO\_INCREMENT,\n `ProductID` int DEFAULT NULL,\n `ProductName` varchar(50) DEFAULT NULL,\n `StandardCost` decimal(19,4) DEFAULT NULL,\n `scd\_start` date DEFAULT NULL,\n `scd\_end` date DEFAULT NULL,\n `scd\_version` int DEFAULT NULL,\n `scd\_active` int DEFAULT NULL,\n `DI\_JobId` varchar(20) DEFAULT NULL,\n `DI\_CreateDate` date DEFAULT NULL,\n PRIMARY KEY (`SCD\_SK`)\n) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4\_0900\_ai\_ci'

ALTER TABLE etl\_job\_log

ADD CONSTRAINT fk\_job\_id

FOREIGN KEY (job\_id)

REFERENCES etl\_job(job\_id);

**Talend Jobs Screenshots:**

**Aw\_LOad\_Product\_Cost\_History**

A screenshot of a computer

Description automatically generated

**Aw\_Load\_Product\_Price\_History**

A screenshot of a computer

Description automatically generated

**Sort ProductCostHistory**

A screenshot of a computer

Description automatically generated

**Sort ProductPriceHistory**

A screenshot of a computer

Description automatically generated

**Pre Job Log**

A screenshot of a computer

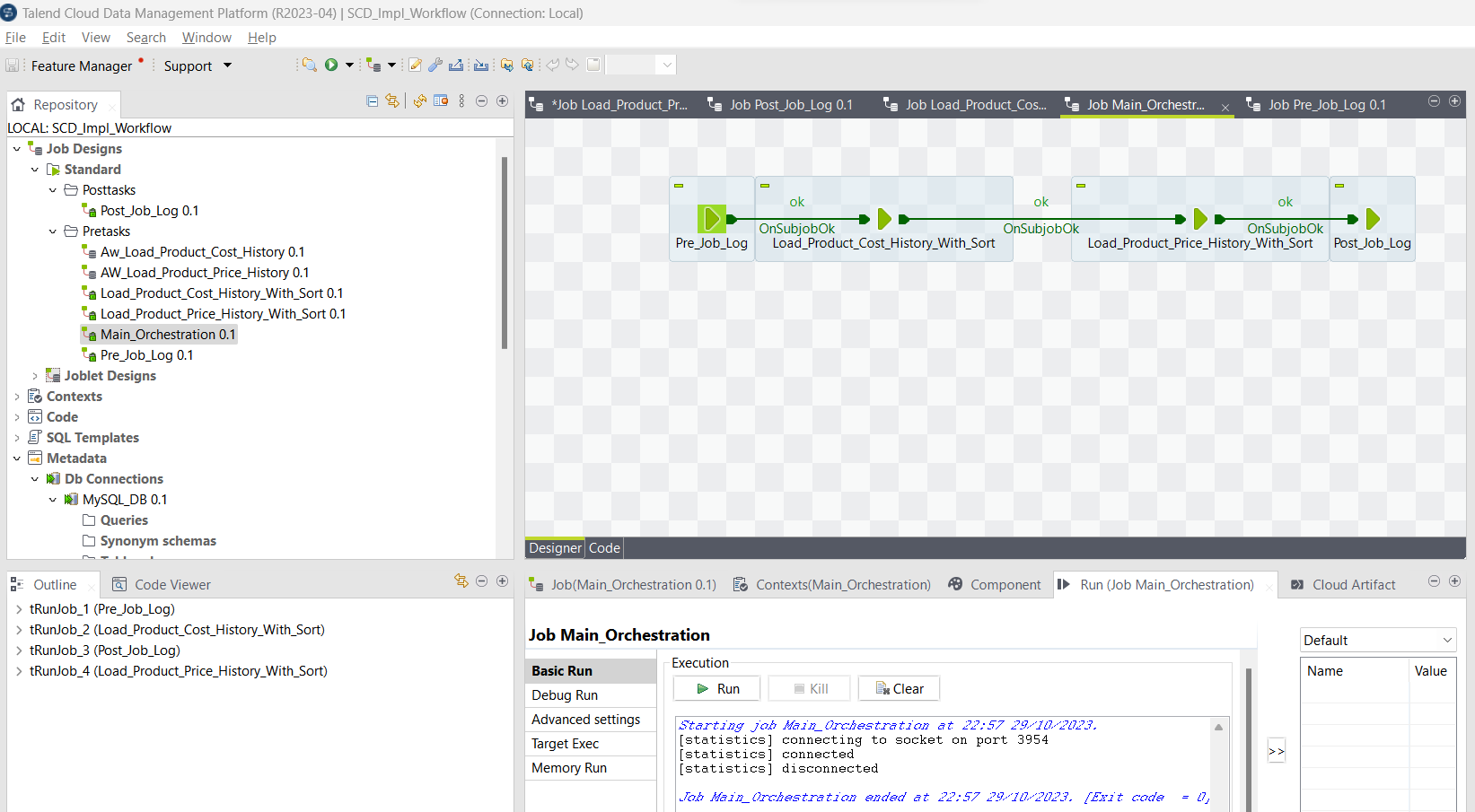
Description automatically generated

**Post Job Log**

A screenshot of a computer

Description automatically generated

**Main Orchestration:**



5. Screenshot of all tables' data in the database after the talend job run

**Productcosthistoryscd:**

A screenshot of a computer

Description automatically generated

Etl\_job\_log

A screenshot of a computer

Description automatically generated

**productpricehistoryscd**

A screenshot of a computer

Description automatically generated

**etl\_job**

A screenshot of a computer

Description automatically generated