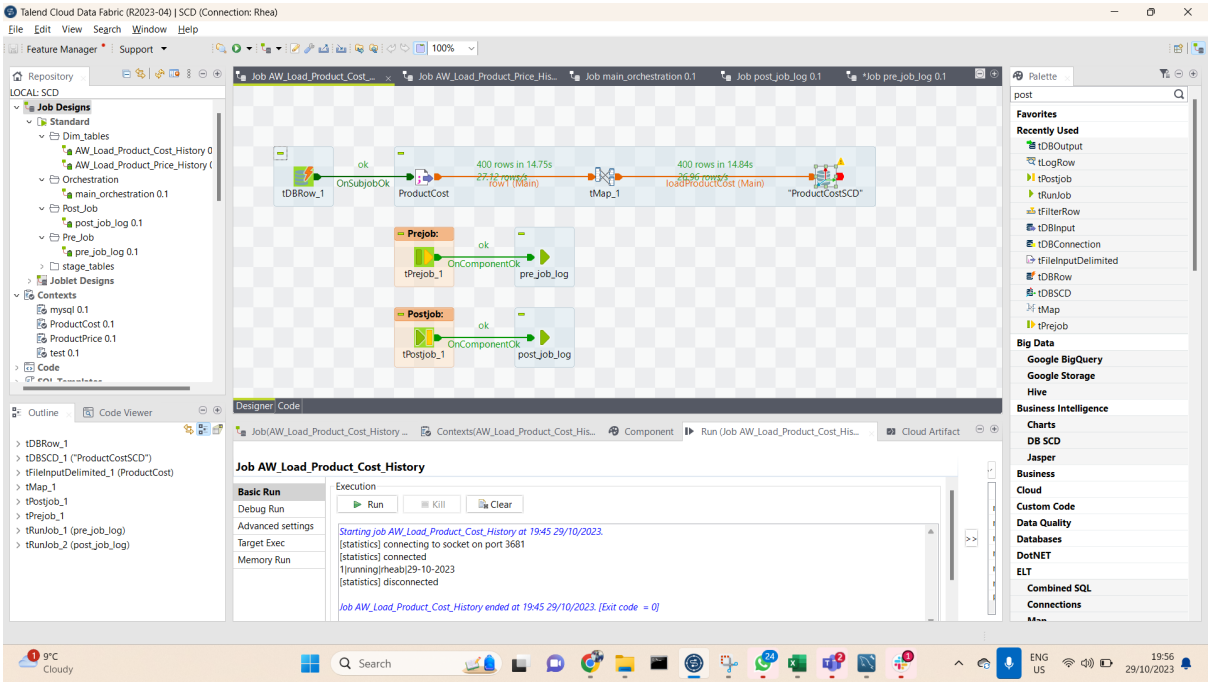
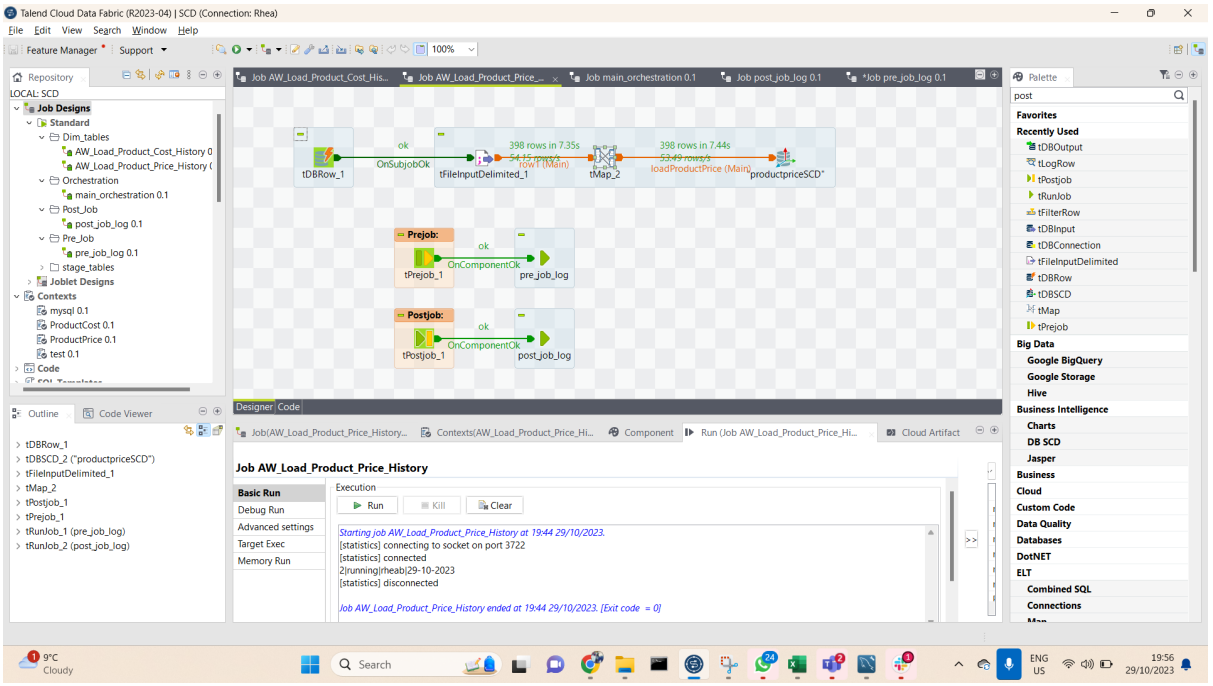
DADABI Assignment (SCD)

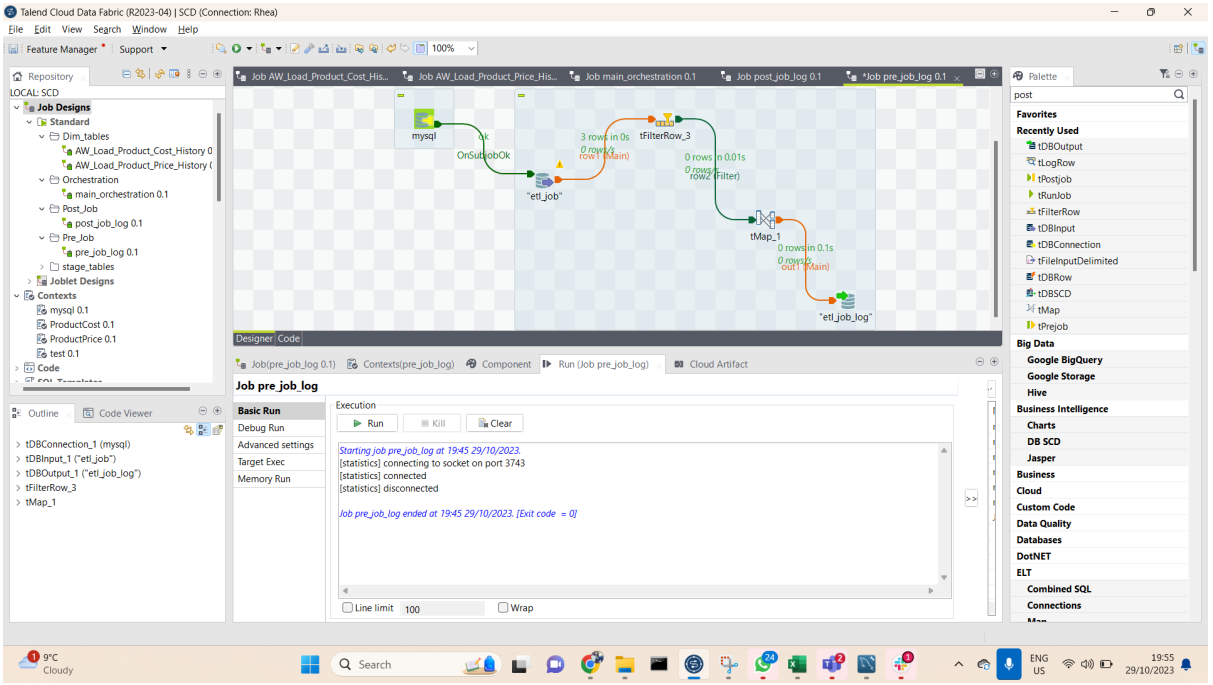
AW_Load_Product_Cost



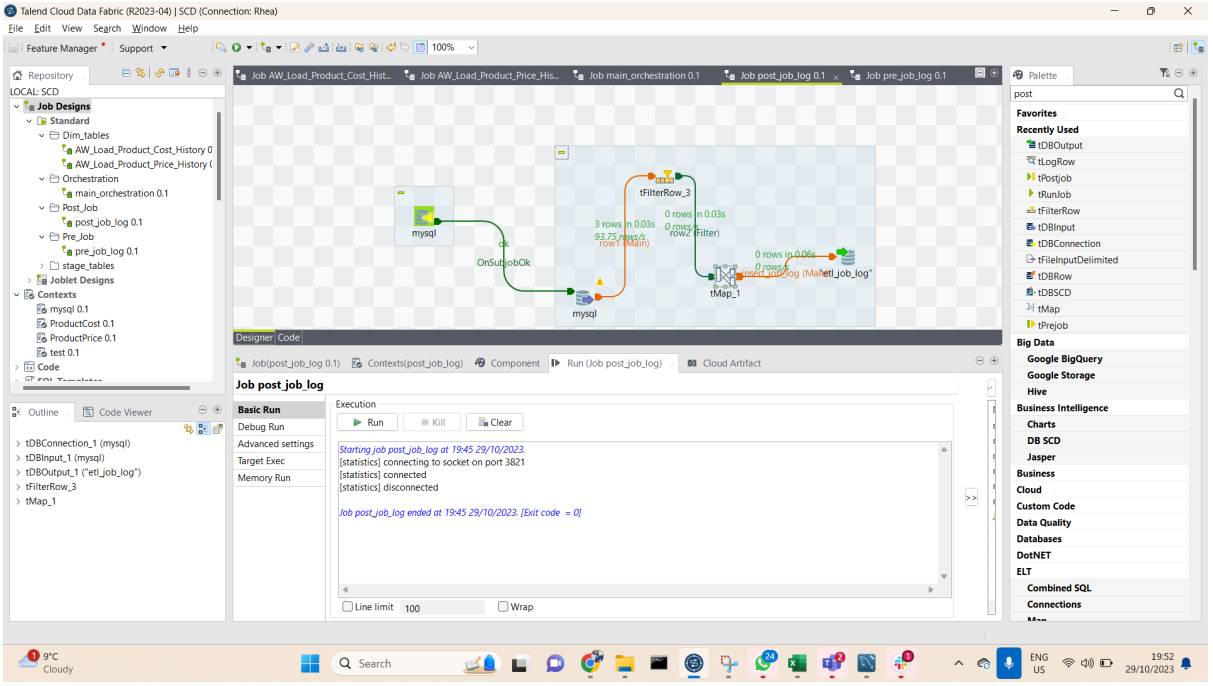
AW_Load_Product_Price



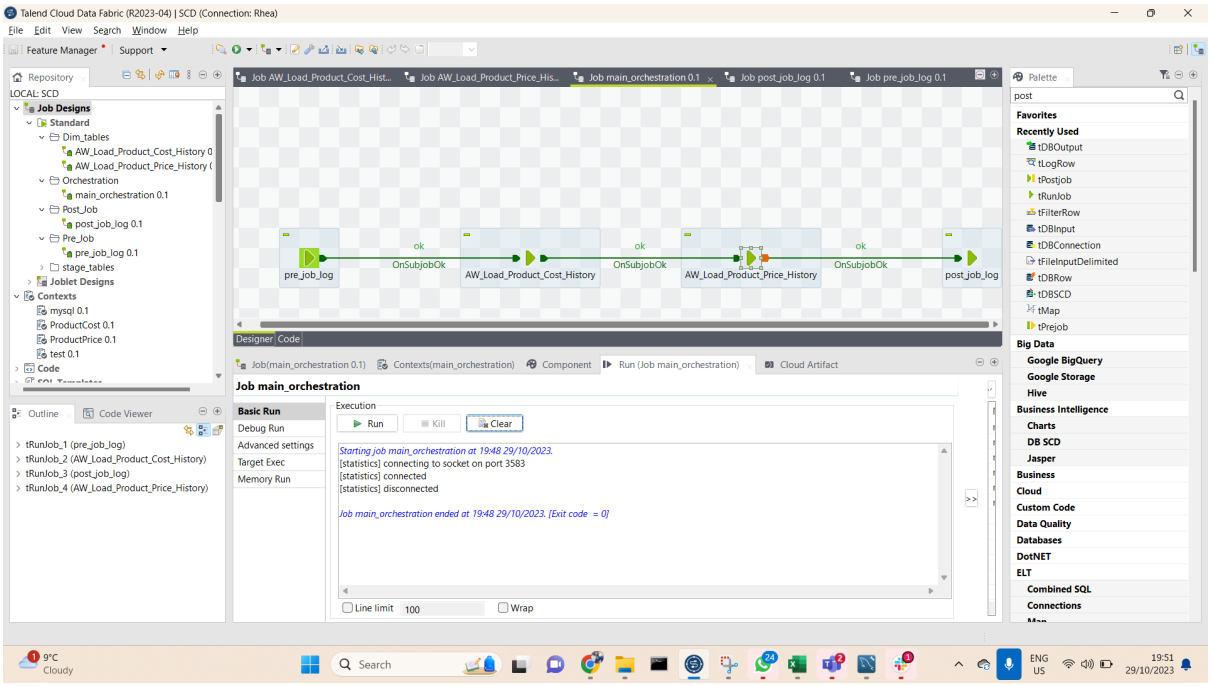
Pre_job



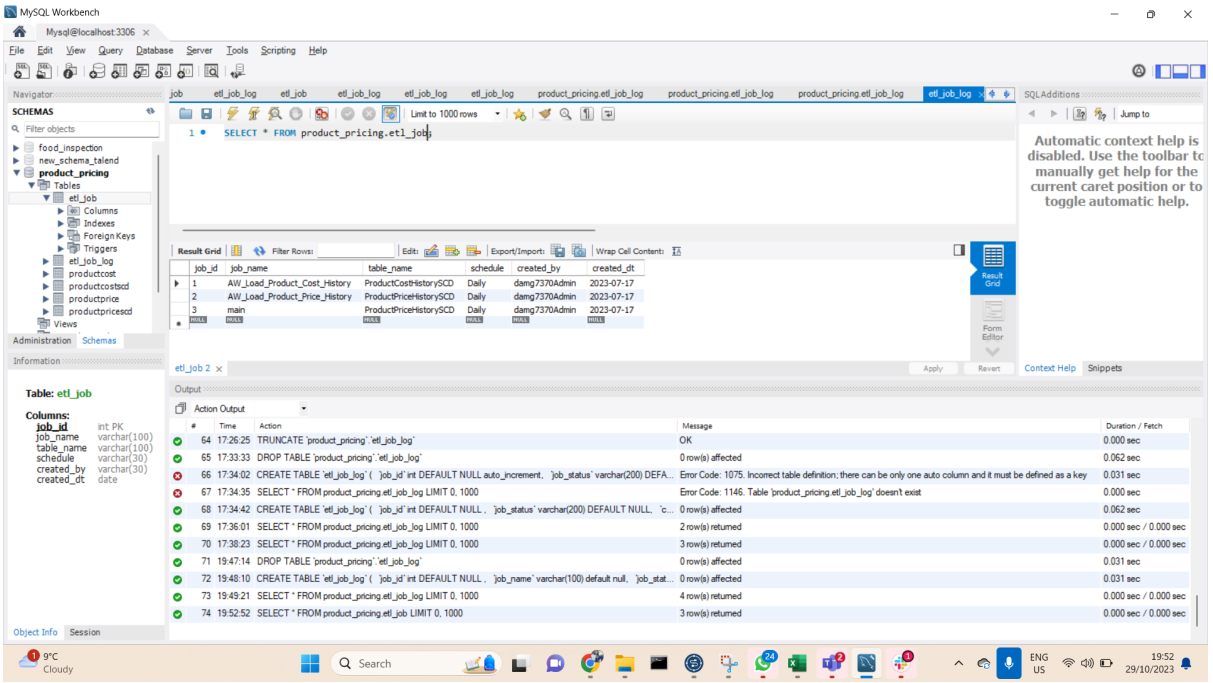
post_job



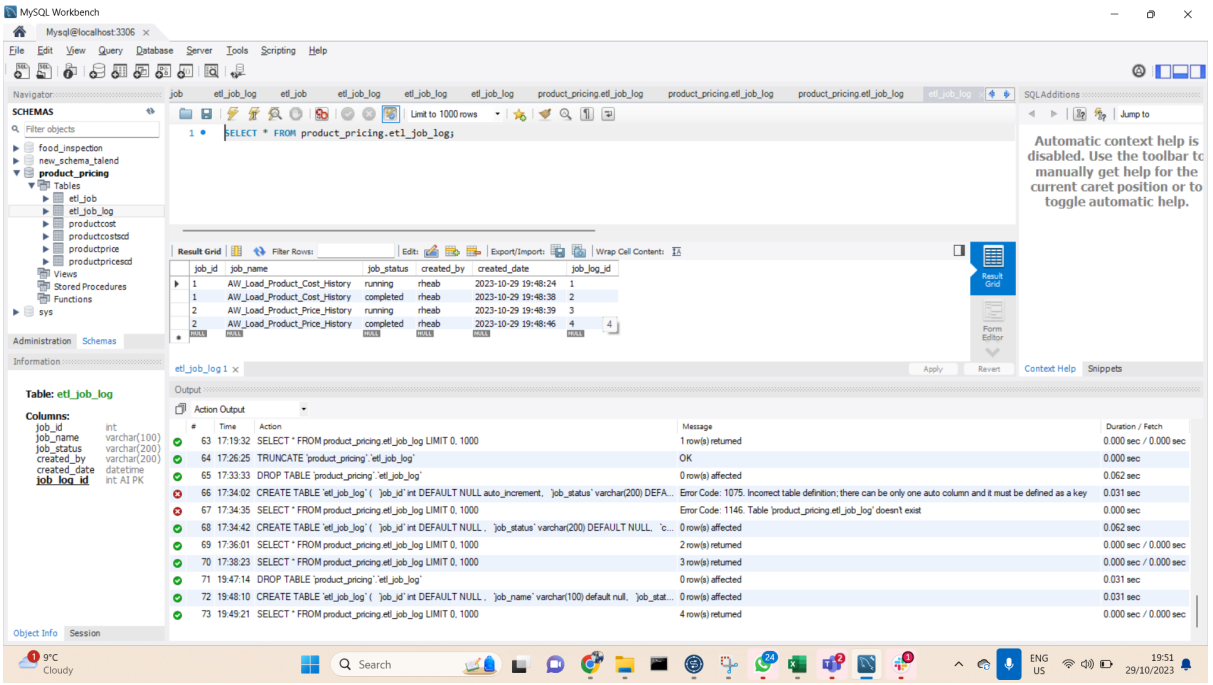
Main orchestration:



etl_job

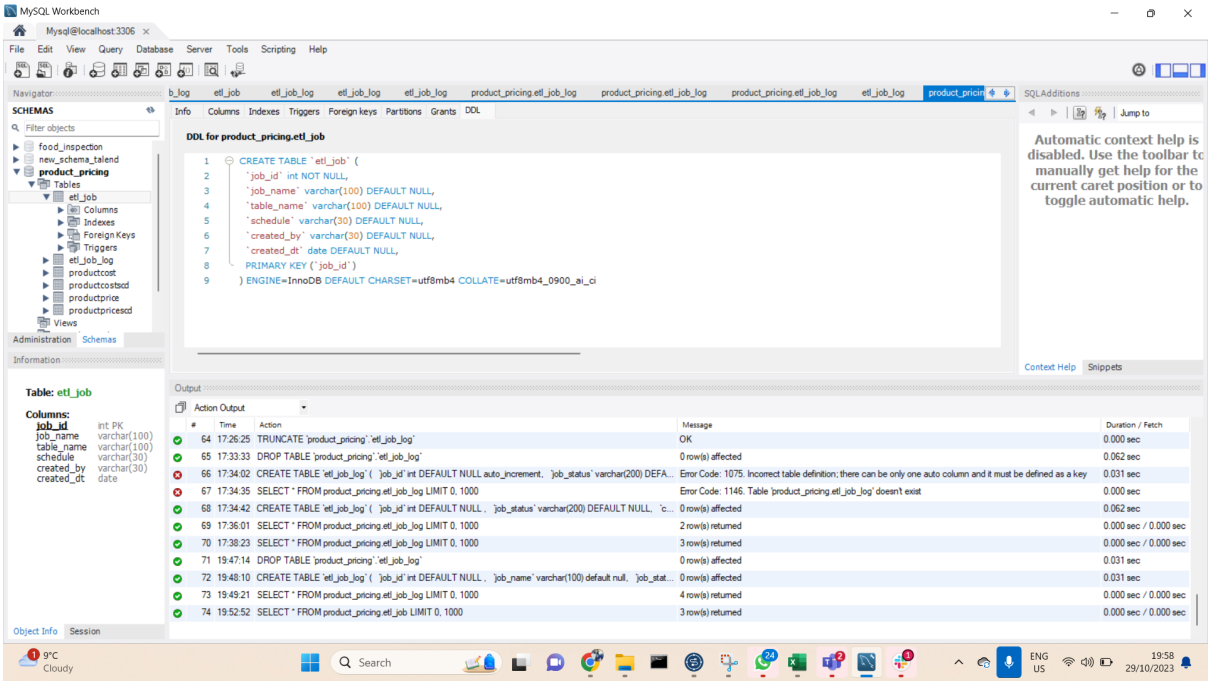


elt_job_log



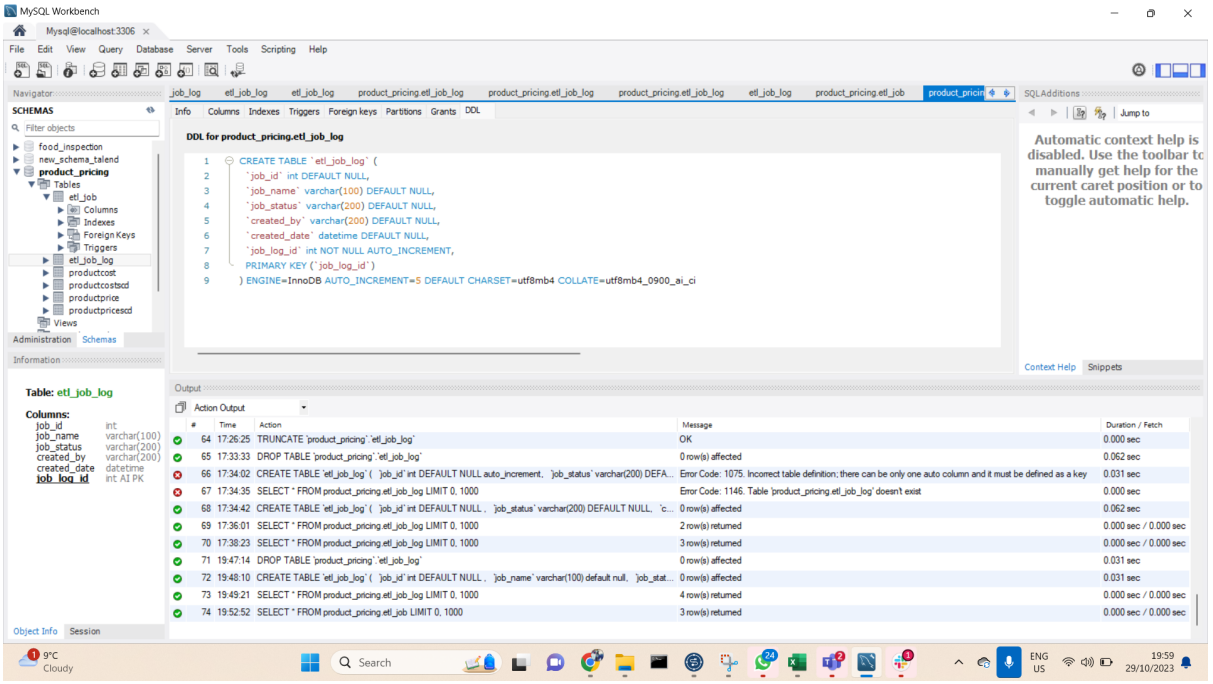
DDL script:
Etl_job

```
CREATE TABLE `etl_job` (
  `job_id` int NOT NULL,
  `job_name` varchar(100) DEFAULT NULL,
  `table_name` varchar(100) DEFAULT NULL,
  `schedule` varchar(30) DEFAULT NULL,
  `created_by` varchar(30) DEFAULT NULL,
  `created_dt` date DEFAULT NULL,
  PRIMARY KEY (`job_id`)
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci
```



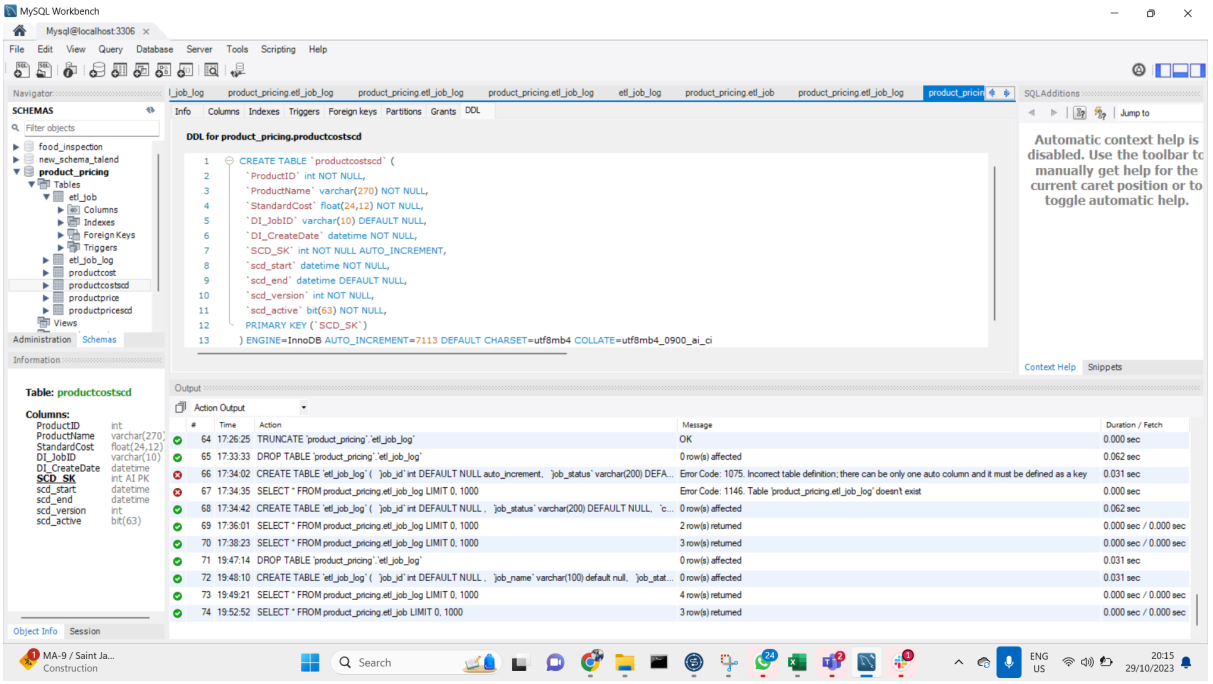
Etl_job_log

```
CREATE TABLE `etl_job_log` (
  `job_id` int DEFAULT NULL,
  `job_name` varchar(100) DEFAULT NULL,
  `job_status` varchar(200) DEFAULT NULL,
  `created_by` varchar(200) DEFAULT NULL,
  `created_date` datetime DEFAULT NULL,
  `job_log_id` int NOT NULL AUTO_INCREMENT,
  PRIMARY KEY (`job_log_id`)
) ENGINE=InnoDB AUTO_INCREMENT=5 DEFAULT CHARSET=utf8mb4
COLLATE=utf8mb4_0900_ai_ci
```



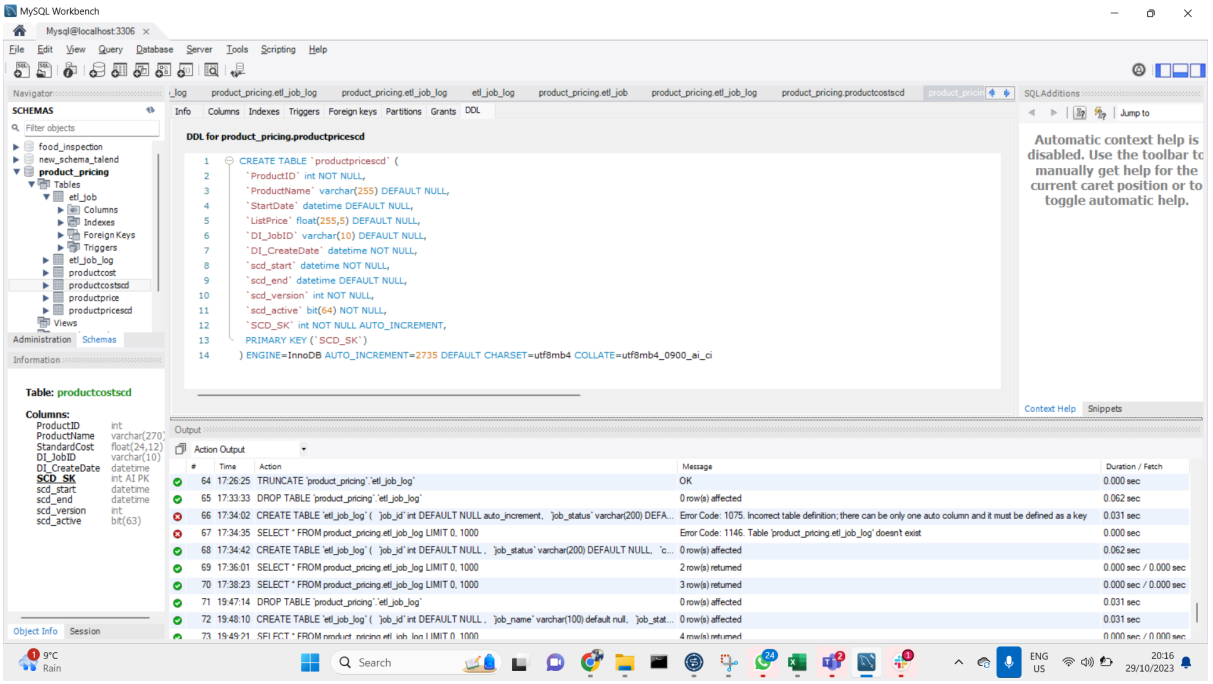
productCostHistorySCD

```
CREATE TABLE `productcostscd` (
  `ProductID` int NOT NULL,
  `ProductName` varchar(270) NOT NULL,
  `StandardCost` float(24,12) NOT NULL,
  `DI_JobID` varchar(10) DEFAULT NULL,
  `DI_CreateDate` datetime NOT NULL,
  `SCD_SK` int NOT NULL AUTO_INCREMENT,
  `scd_start` datetime NOT NULL,
  `scd_end` datetime DEFAULT NULL,
  `scd_version` int NOT NULL,
  `scd_active` bit(63) NOT NULL,
  PRIMARY KEY (`SCD_SK`)
) ENGINE=InnoDB AUTO_INCREMENT=7113 DEFAULT CHARSET=utf8mb4
COLLATE=utf8mb4_0900_ai_ci
```



ProductPriceHistorySCD

```
CREATE TABLE `productpricescd` (
  `ProductID` int NOT NULL,
  `ProductName` varchar(255) DEFAULT NULL,
  `StartDate` datetime DEFAULT NULL,
  `ListPrice` float(255,5) DEFAULT NULL,
  `DI_JobID` varchar(10) DEFAULT NULL,
  `DI_CreateDate` datetime NOT NULL,
  `scd_start` datetime NOT NULL,
  `scd_end` datetime DEFAULT NULL,
  `scd_version` int NOT NULL,
  `scd_active` bit(64) NOT NULL,
  `SCD_SK` int NOT NULL AUTO_INCREMENT,
  PRIMARY KEY (`SCD_SK`)
) ENGINE=InnoDB AUTO_INCREMENT=2735 DEFAULT CHARSET=utf8mb4
COLLATE=utf8mb4_0900_ai_ci
```


MySQL Workbench
Mysql@localhost:3306
File Edit View Query Database Server Tools Scripting Help
Navigator
SCHEMAS
Filter objects
food_inspection
new_schema_talend
product_pricing
Tables
etl_job
Columns
Indexes
Foreign Keys
Triggers
etl_job_log
productcost
productcostscd
productprice
productpricescd
Views
Administration Schemas
Information
Table: productcostscd
Columns:
ProductID int
ProductName varchar(270)
StandardCost float(24,12)
DI_JobID varchar(10)
DI_CreateDate datetime
SCD_SK int AI PK
scd_start datetime
scd_end datetime
scd_version int
scd_active bit(63)
Object Info Session
product_pricing.etl_job_log
product_pricing.etl_job_log
etl_job_log
product_pricing.etl_job
product_pricing.etl_job_log
product_pricing.productcostscd
Info Columns Indexes Triggers Foreign keys Partitions Grants DDL
DDL for product_pricing.productpricescd
1 CREATE TABLE `productpricescd` (
2 `ProductID` int NOT NULL,
3 `ProductName` varchar(255) DEFAULT NULL,
4 `StartDate` datetime DEFAULT NULL,
5 `ListPrice` float(255,5) DEFAULT NULL,
6 `DI_JobID` varchar(10) DEFAULT NULL,
7 `DI_CreateDate` datetime NOT NULL,
8 `scd_start` datetime NOT NULL,
9 `scd_end` datetime DEFAULT NULL,
10 `scd_version` int NOT NULL,
11 `scd_active` bit(64) NOT NULL,
12 `SCD_SK` int NOT NULL AUTO_INCREMENT,
13 PRIMARY KEY (`SCD_SK`)
14) ENGINE=InnoDB AUTO_INCREMENT=2735 DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci
SQLAdditions
Jump to
Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.
Context Help Snippets
Output
Action Output
Time Action Message Duration / Fetch
64 17:26:25 TRUNCATE `product_pricing`.`etl_job_log` OK 0.000 sec
65 17:33:33 DROP TABLE `product_pricing`.`etl_job_log` 0 row(s) affected 0.062 sec
66 17:34:02 CREATE TABLE `etl_job_log` (`job_id` int DEFAULT NULL auto_increment, `job_status` varchar(200) DEFA... Error Code: 1075. Incorrect table definition; there can be only one auto column and it must be defined as a key 0.031 sec
67 17:34:35 SELECT * FROM product_pricing.etl_job_log LIMIT 0, 1000 Error Code: 1146. Table `product_pricing.etl_job_log` doesn't exist 0.000 sec
68 17:34:42 CREATE TABLE `etl_job_log` (`job_id` int DEFAULT NULL , `job_status` varchar(200) DEFAULT NULL, `c... 0 row(s) affected 0.062 sec
69 17:36:01 SELECT * FROM product_pricing.etl_job_log LIMIT 0, 1000 2 row(s) returned 0.000 sec / 0.000 sec
70 17:38:23 SELECT * FROM product_pricing.etl_job_log LIMIT 0, 1000 3 row(s) returned 0.000 sec / 0.000 sec
71 19:47:14 DROP TABLE `product_pricing`.`etl_job_log` 0 row(s) affected 0.031 sec
72 19:48:10 CREATE TABLE `etl_job_log` (`job_id` int DEFAULT NULL , `job_name` varchar(100) default null, `job_stat... 0 row(s) affected 0.031 sec
73 19:49:21 SELECT * FROM product_pricing.etl_job_log LIMIT 0, 1000 4 row(s) returned 0.000 sec / 0.000 sec
9°C Rain
Search
ENG US
20:16 29/10/2023