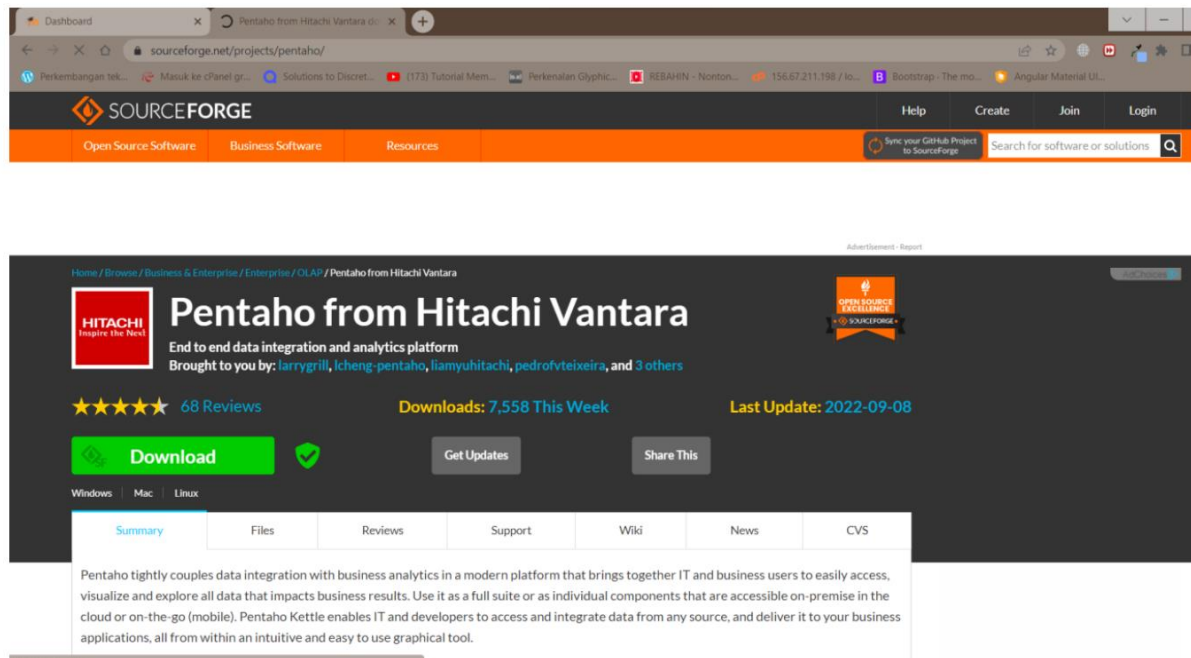


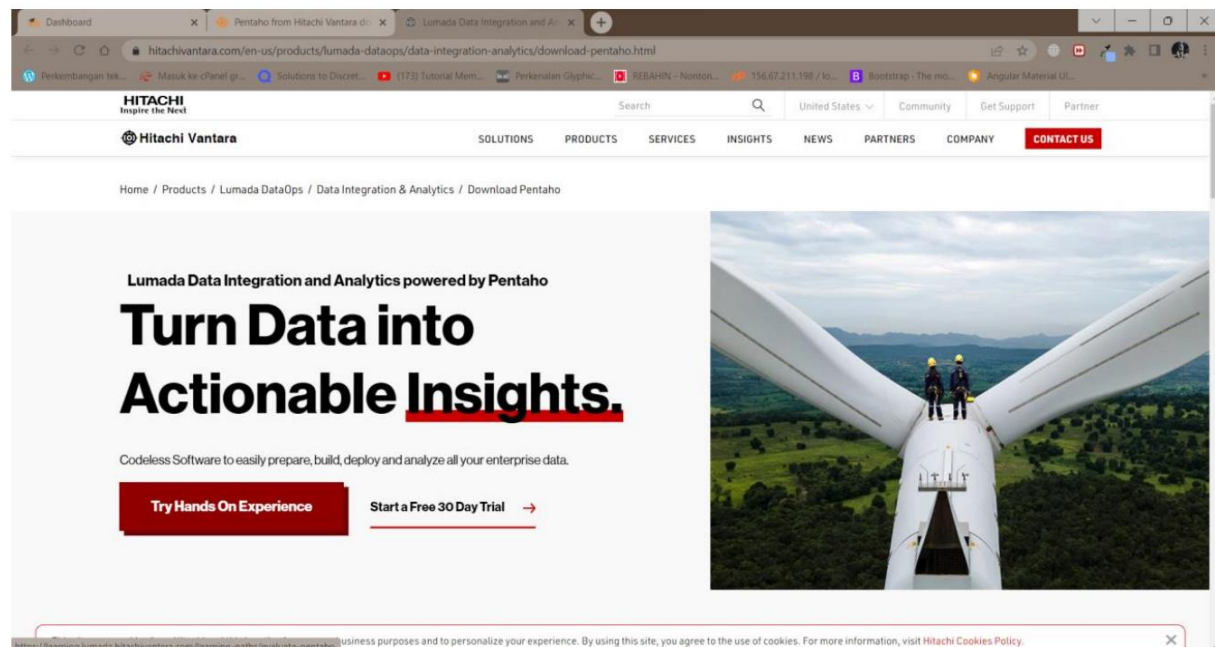
Nama : Gideon C.G. Ginting
NIM : 191402133
Kelas : C

Tugas I Data Warehouse Dan Bisnis Intelligence

1. Download Pentaho melalui Link : <https://sourceforge.net/projects/pentaho/>



2. Lakukan registrasi Akun Pentaho dengan cara mengklik Try Hands On Experience.



3. Lakukan Input data diri pada “User Registration” , kemudian klik Button “Complete Registration”

Hitachi Vantara

User Registration

Please complete all required fields

First Name* Last Name*

Company Name* Job Title*

Company Country or Region* Company Zip/Postal Code*

Preferred Phone Number* Ext. Time Zone*

Business Email* Confirm Business Email*

Your email address will be your username when you login.
Please register with a company email address, not a
personal email address, to ensure proper access within the

4. Login menggunakan akun Pentaho yang tadi sudah diregistrasi (menggunakan email & password) , dimana password akun akan diberikan melalui email yang sudah didaftarkan.

Hitachi Vantara

Masuk

Nama pengguna

Kata sandi

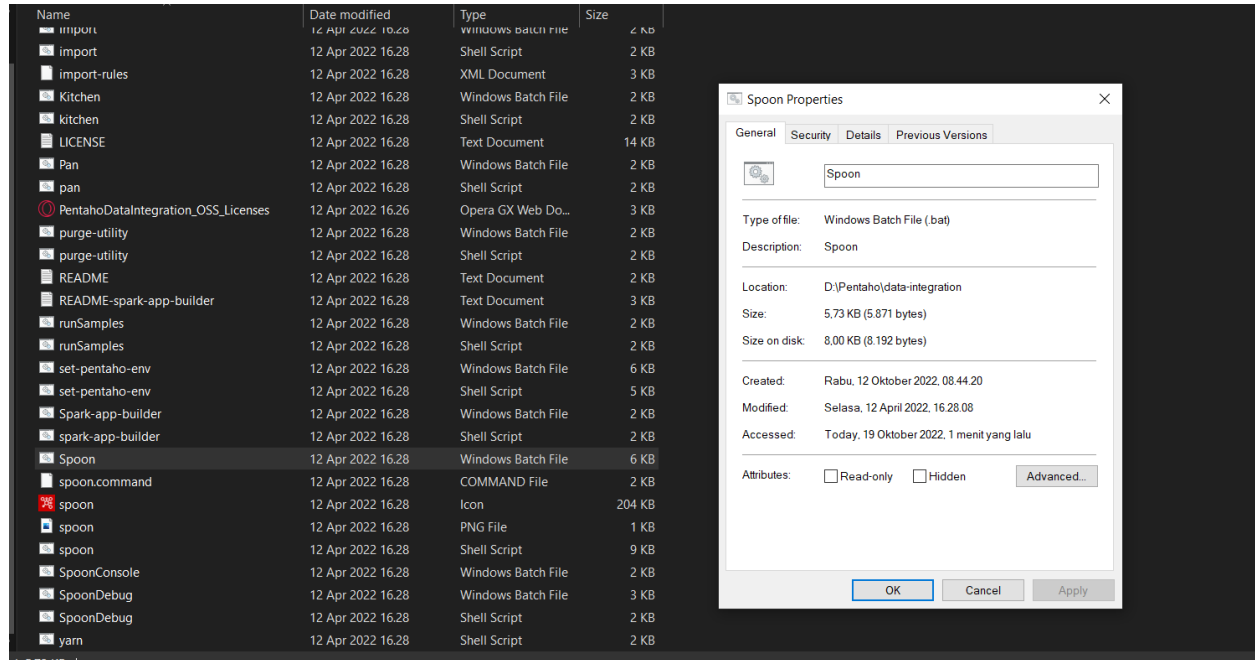
Ingat saya

Masuk

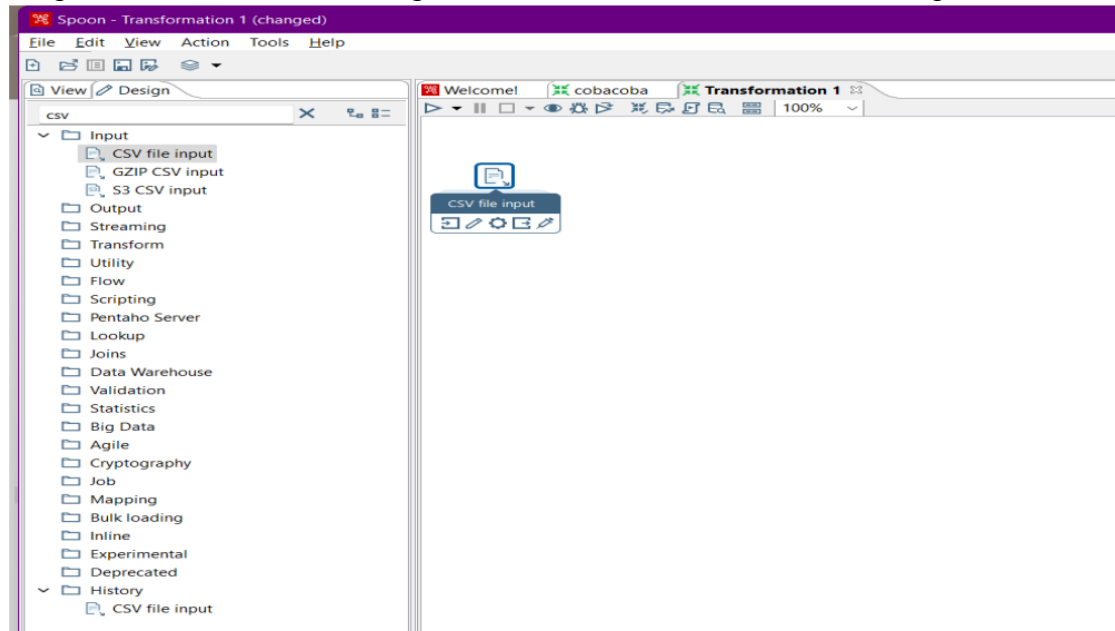
Hitachi Vantara Internal Users:
Forgot Password?
Reset Password
Register for Password Self-Service

For Partners, Customers and Guests:
Forgot Password?
[Register Here](#)

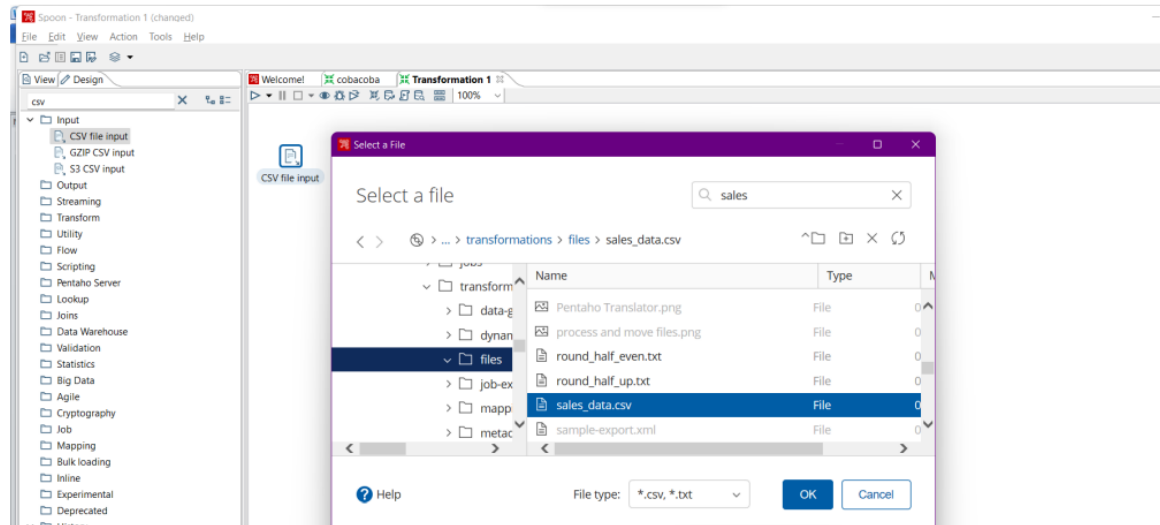
5. Jalankan Aplikasi dengan melakukan run pada file “Spoon.bat”



6. Input salah satu file .csv , dengan cara klik tombol “search” kemudian pilih “CSV File Input”.



7. Double click pada CSV file input kemudian tekan browse pada baris filename dan pilih file csv yang akan digunakan.



8. Kemudian tekan tombol preview untuk mengecek apakah filenya sudah bisa digunakan

Spool - Transformation 1 (changed)

File Edit View Action Tools Help

Views | Design | Welcome | cobacoba | Transformation 1

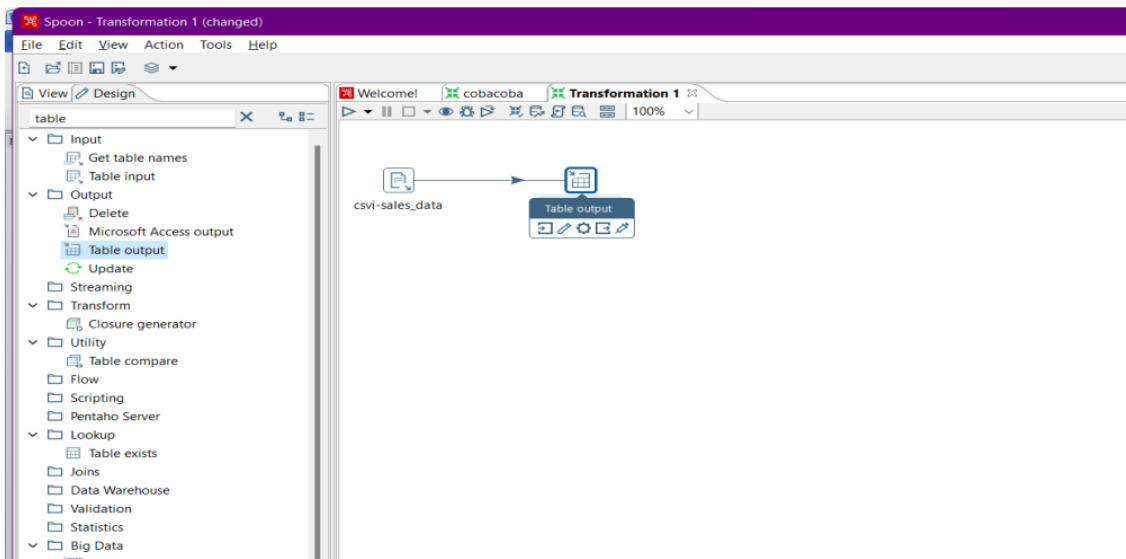
Examine preview data

Rows of step: csv-sales_data (1000 rows)

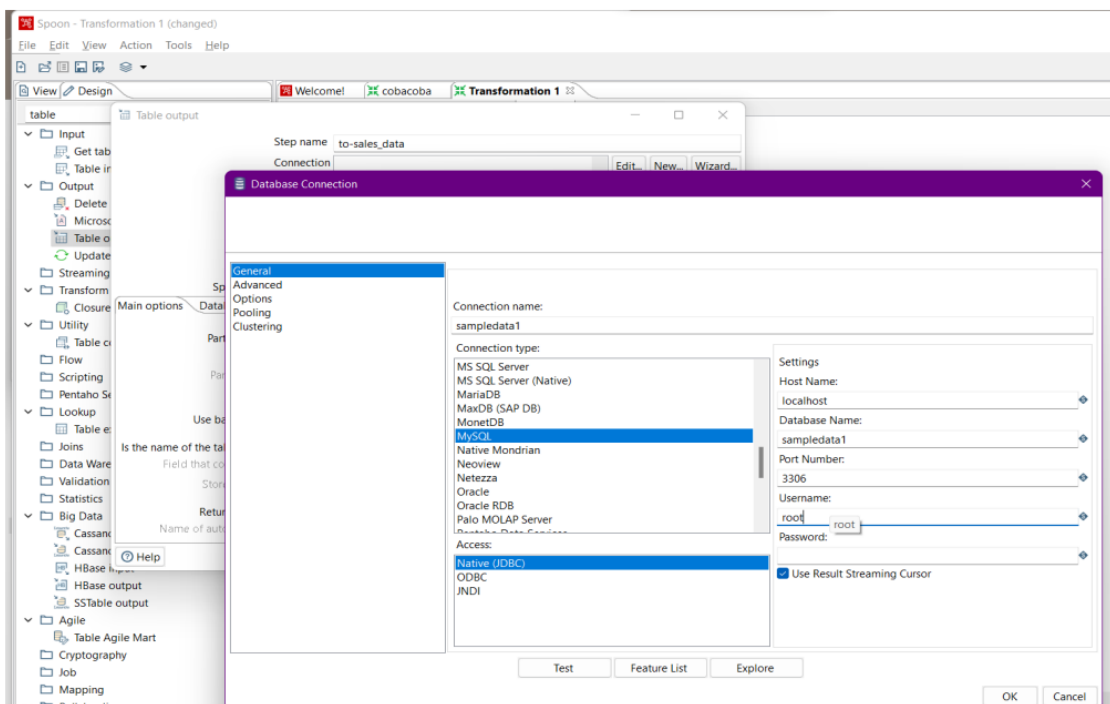
#	ORDERNUMBER	QUANTITYORDERED	PRICEEACH	ORDERLINENUMBER	SALES	ORDERDATE	STATUS	QTR_ID	MONTH_ID	YEAR_ID	PRODUCTLINE	MSRP	PRODUCTCODE	CUSTOMERNAME	PHONE
1.	10107	30	95.7	2	2871	2/24/2003 0:00	Shipped	1	2	2003	Motorcycles	95	510_1678	Land of Toys Inc.	2125557818
1.	10134	34	81.3	5	2765.9	5/7/2003 0:00	Shipped	2	5	2003	Motorcycles	95	510_1678	Reims Collectables	26.47.8555
1.	10134	41	94.7	2	3884.3	7/7/2003 0:00	Shipped	3	7	2003	Motorcycles	95	510_1678	Lynn Souveniers	+31 1 46 62 75
1.	10145	45	83.3	6	3746.7	8/25/2003 0:00	Shipped	3	8	2003	Motorcycles	95	510_1678	Toy4GrownUp.com	6265557265
5	10159	49	100	14	5205.3	10/10/2003 0:00	Shipped	4	10	2003	Motorcycles	95	510_1678	Corporate Gift Ideas Co.	6505551286
6	10168	36	96.7	1	3479.8	10/28/2003 0:00	Shipped	4	10	2003	Motorcycles	95	510_1678	Technics Stores Inc.	6505556809
7	10180	29	86.1	9	2497.8	5/11/2003 0:00	Shipped	4	11	2003	Motorcycles	95	510_1678	Daeludis Designs Imports	20.16.1555
8	10188	48	100	1	5512.3	11/18/2003 0:00	Shipped	4	11	2003	Motorcycles	95	510_1678	Henkuu Gifts	+47 2267 3215
9	10201	22	98.6	2	2168.5	12/1/2003 0:00	Shipped	4	12	2003	Motorcycles	95	510_1678	Mini Wheels Co.	6505555787
1.	10211	41	100	14	4708.4	1/15/2004 0:00	Shipped	1	1	2004	Motorcycles	95	510_1678	Auto Canal - Pelit	(1) 47.55.8555
1.	10223	37	100	1	3965.7	2/20/2004 0:00	Shipped	1	2	2004	Motorcycles	95	510_1678	Australian Collectors, Co.	03 9520 4555
1.	10237	23	100	7	2333.1	4/5/2004 0:00	Shipped	2	4	2004	Motorcycles	95	510_1678	Vitacrome Inc.	2125551500
1.	10251	28	100	2	3188.6	5/18/2004 0:00	Shipped	2	5	2004	Motorcycles	95	510_1678	Tekni Collectables Inc.	2015559350
1.	10263	34	100	2	3676.8	6/28/2004 0:00	Shipped	2	6	2004	Motorcycles	95	510_1678	Gift Depot Inc.	2035552570
1.	10275	45	92.8	1	4177.4	7/23/2004 0:00	Shipped	3	7	2004	Motorcycles	95	510_1678	La Rochelle Gifts	40.67.8555
1.	10285	36	100	6	4099.7	8/27/2004 0:00	Shipped	3	8	2004	Motorcycles	95	510_1678	Marta's Replicas Co.	6175558555
1.	10299	23	100	9	2597.4	9/30/2004 0:00	Shipped	3	9	2004	Motorcycles	95	510_1678	Toys of Finland, Co.	90-224 8555
1.	10309	41	100	5	4394.4	10/15/2004 0:00	Shipped	4	10	2004	Motorcycles	95	510_1678	Miami Mini Imports	07-98 9555
1.	10318	46	94.7	1	4358	11/2/2004 0:00	Shipped	4	11	2004	Motorcycles	95	510_1678	Dicast Classics Inc.	2155551555
2.	10329	42	100	1	4396.1	11/15/2004 0:00	Shipped	4	11	2004	Motorcycles	95	510_1678	Land of Toys Inc.	2125557818
2.	10341	41	100	9	7737.9	11/24/2004 0:00	Shipped	4	11	2004	Motorcycles	95	510_1678	Salzburg Collectables	6562-9555
2.	10361	20	72.5	13	1451	12/17/2004 0:00	Shipped	4	12	2004	Motorcycles	95	510_1678	Souveniers And Things Co.	+61 2 9495 851
2.	10375	21	34.9	12	733.1	2/3/2005 0:00	Shipped	1	2	2005	Motorcycles	95	510_1678	La Rochelle Gifts	40.67.8555
2.	10388	42	76.4	4	3207.1	3/3/2005 0:00	Shipped	1	3	2005	Motorcycles	95	510_1678	FunGiftIdeas.com	5085552555

Close Show Log

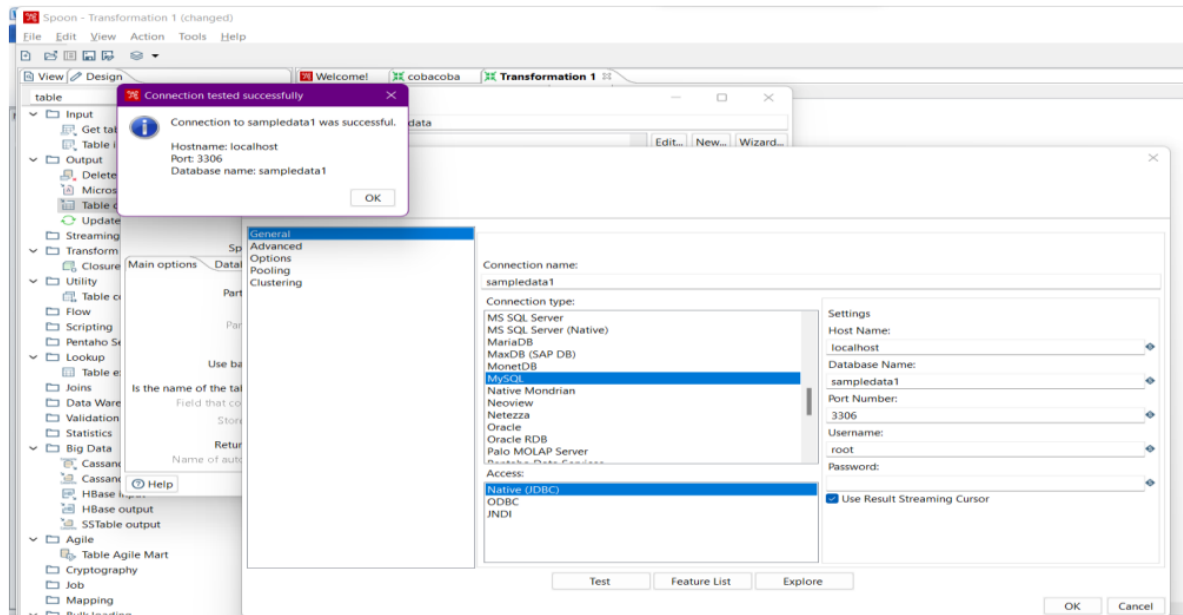
9. Pada kolom search cari table output kemudian double click. Setelah itu ubah nama table menjadi to-sales_data.



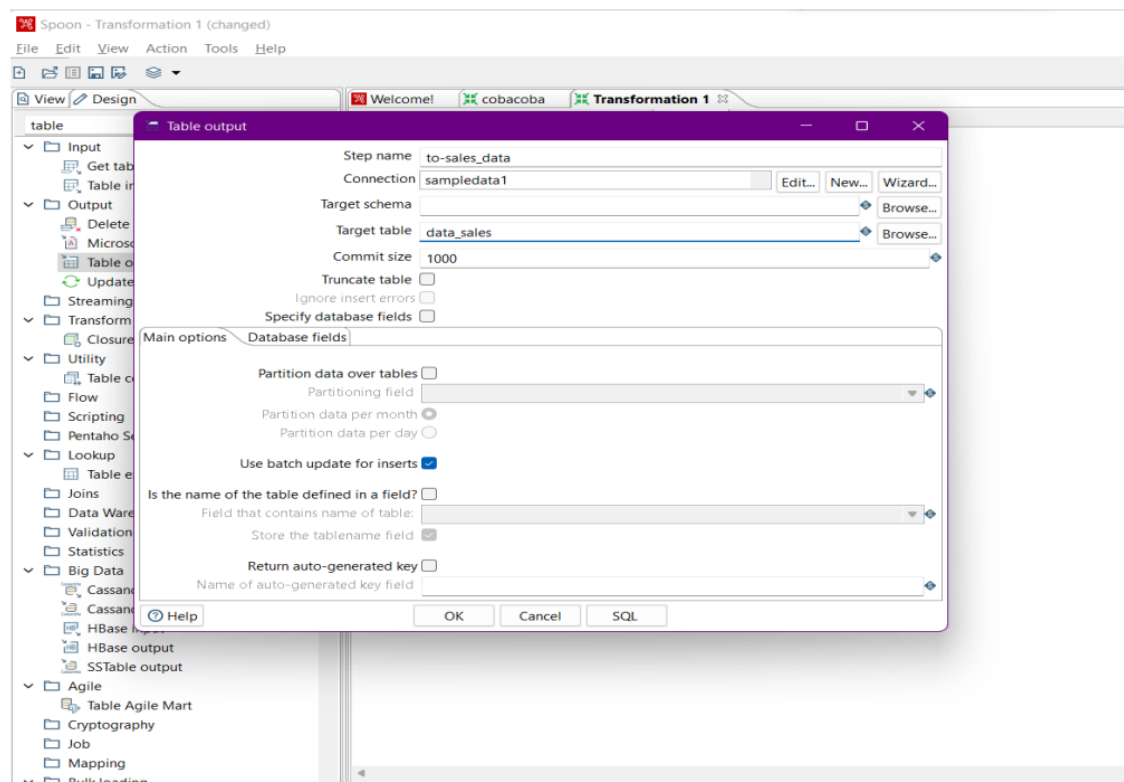
10. Pada baris “Connection” pilih “New”. Lalu isi semua kolom baris dan isinya seperti gambar dibawah ini.



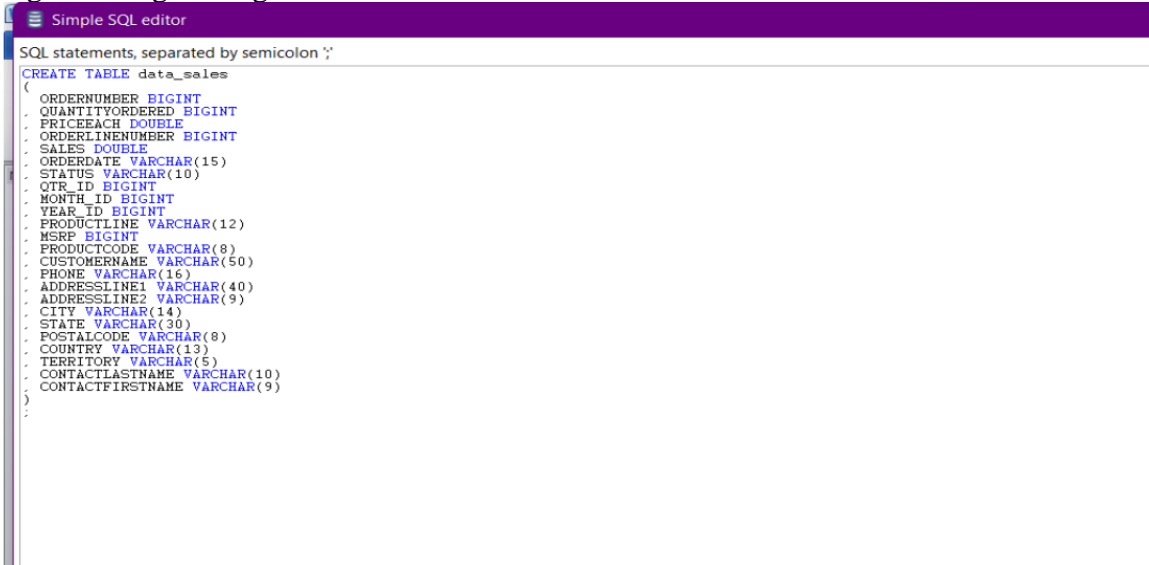
11. Kemudian klik tombol “Test”, jika berhasil maka akan memunculkan alert.



12. Pada baris “target table” masukkan nama tabel yang akan menjadi target output data.

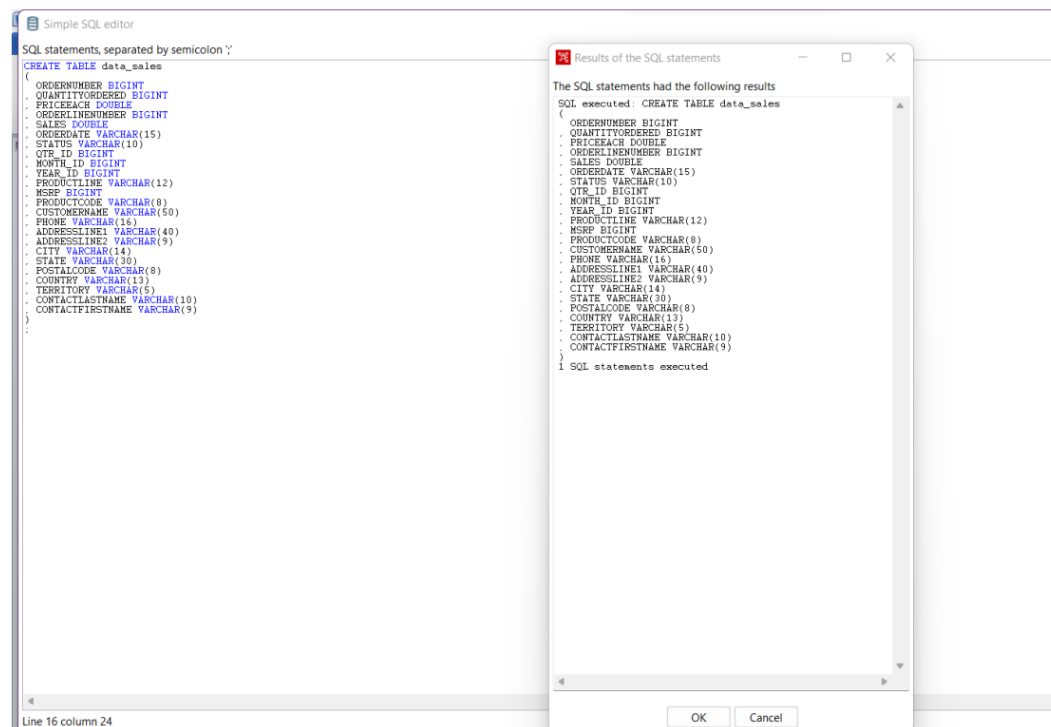


13. Pada SQL Editor , lakukan pembaruan pada kolom STATE dan CUSTOMERNAME dengan length masing masing 30 dan 50.

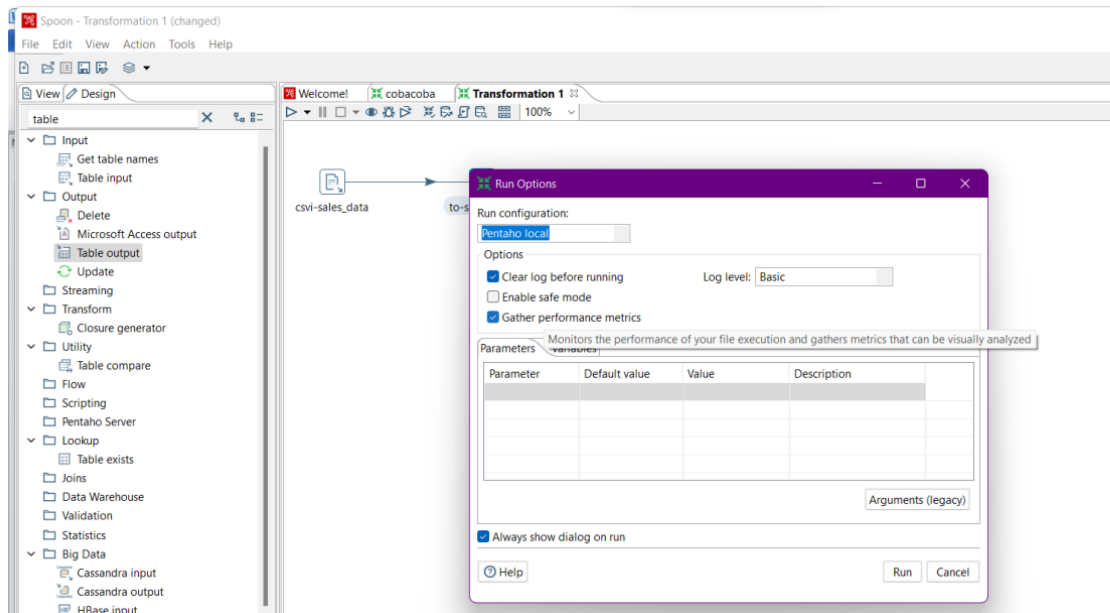


```
SQL statements, separated by semicolon ';'
CREATE TABLE data_sales
(
  ORDERNUMBER BIGINT
  , QUANTITYORDERED BIGINT
  , PRICEEACH DOUBLE
  , ORDERLINENUMBER BIGINT
  , SALES DOUBLE
  , ORDERDATE VARCHAR(15)
  , STATUS VARCHAR(10)
  , QTR_ID BIGINT
  , MONTH_ID BIGINT
  , YEAR_ID BIGINT
  , PRODUCTLINE VARCHAR(12)
  , MSRP BIGINT
  , PRODUCTCODE VARCHAR(8)
  , CUSTOMERNAME VARCHAR(50)
  , PHONE VARCHAR(16)
  , ADDRESSLINE1 VARCHAR(40)
  , ADDRESSLINE2 VARCHAR(9)
  , CITY VARCHAR(14)
  , STATE VARCHAR(30)
  , POSTALCODE VARCHAR(8)
  , COUNTRY VARCHAR(13)
  , TERRITORY VARCHAR(5)
  , CONTACTLASTNAME VARCHAR(10)
  , CONTACTFIRSTNAME VARCHAR(9)
)
;
```

14. Kemudian pilih “Execute” , jika berhasil akan tampak seperti gambar di bawah ini



15. Jalankan Program.



16. Jika program berhasil dijalankan, maka tampilannya akan seperti berikut

