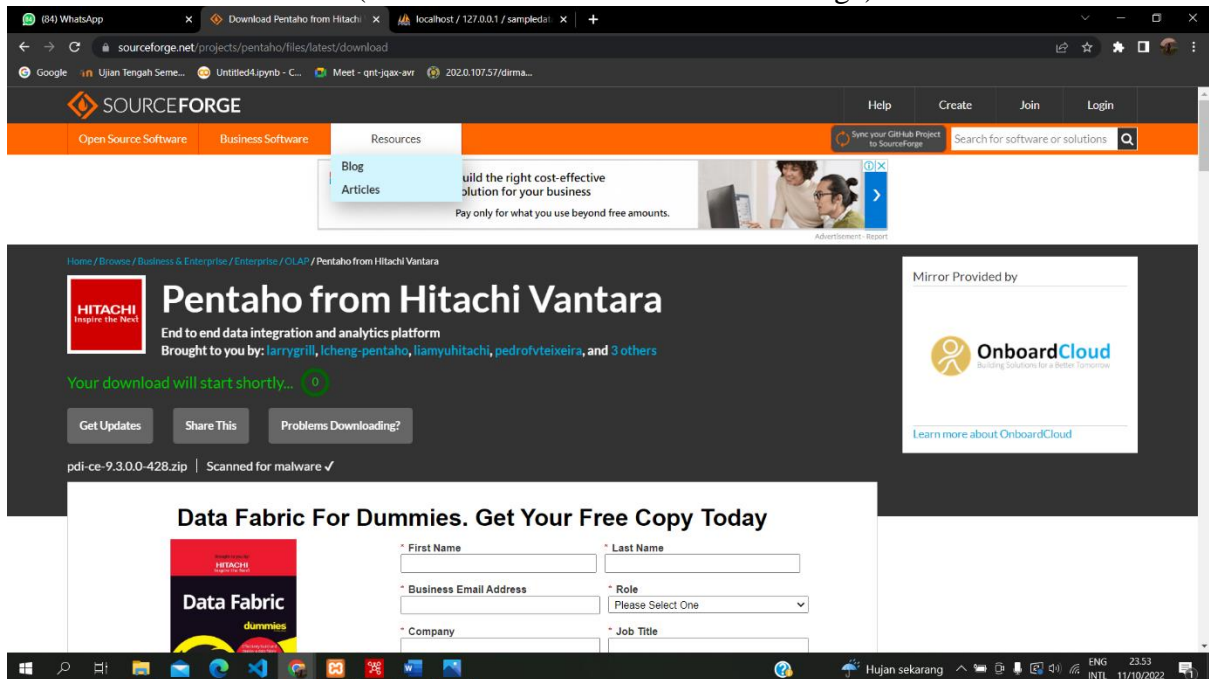


Nama : Christopher Miando Imanuel Manurung
NIM : 191402117
Kelas : KOM-C
Mata Kuliah : Data Warehouse

PENTAHO TUTORIAL

Installation:

1. Download Pentaho (Pentaho Didownload dari SourceForge)

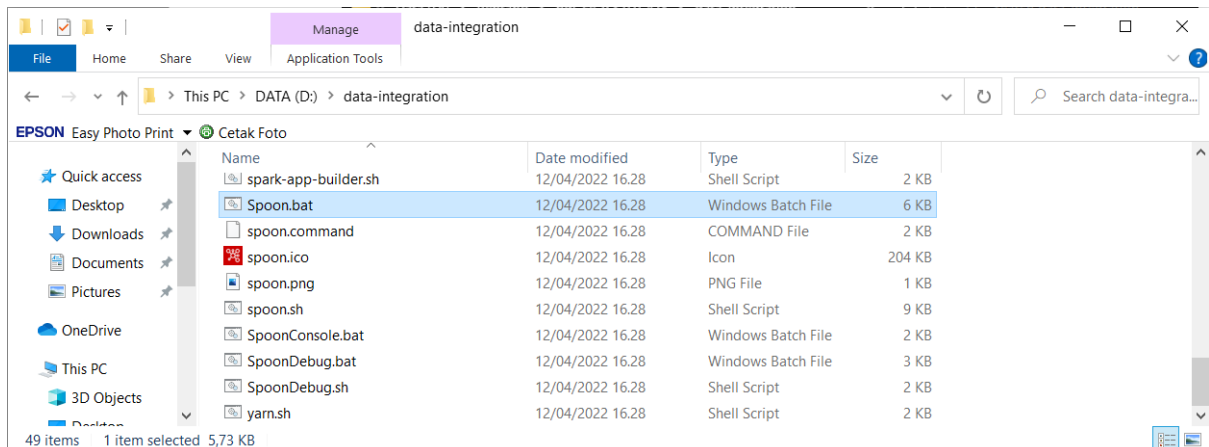


2. Instal JDK dan JRE (Download di Web Java)

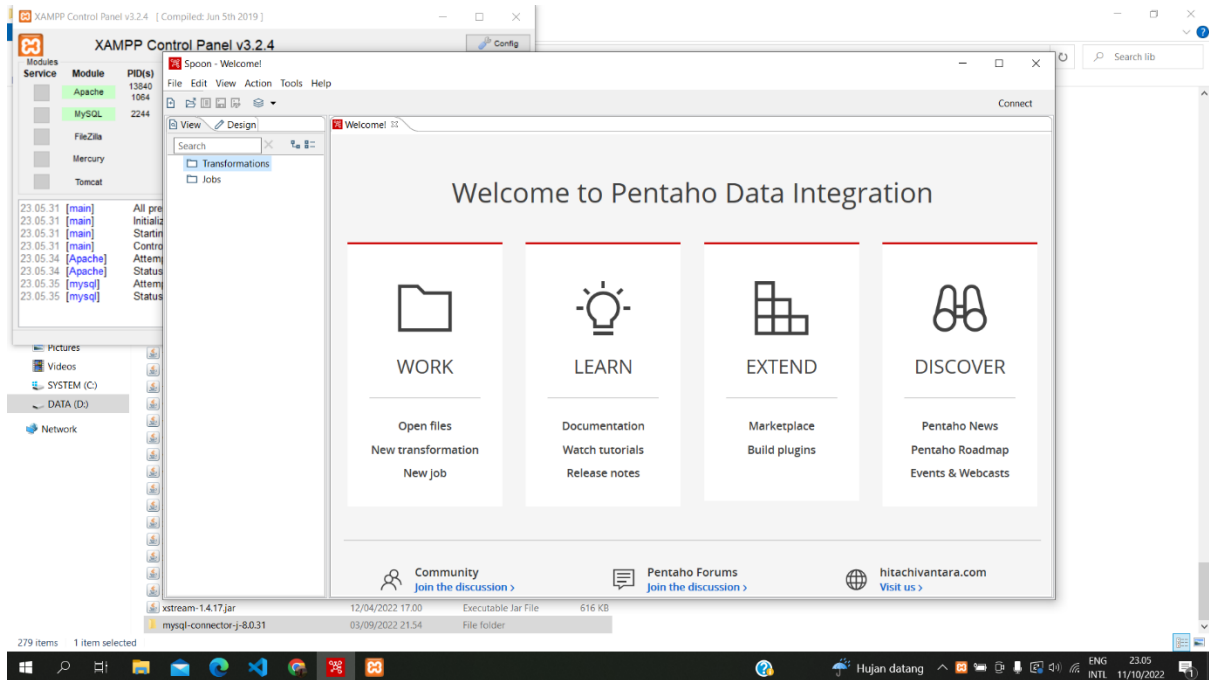
3. Isi Variabel Pentaho di Enviromental Variable

PENTAHO_JAVA	C:\Program Files\Java\jre1.8.0_333\bin\java.exe
PENTAHO_JAVA_HOME	C:\Program Files\Java\jre1.8.0_333
JAVA_HOME	C:\Program Files\Java\jdk-19

4. Jalankan Pentaho



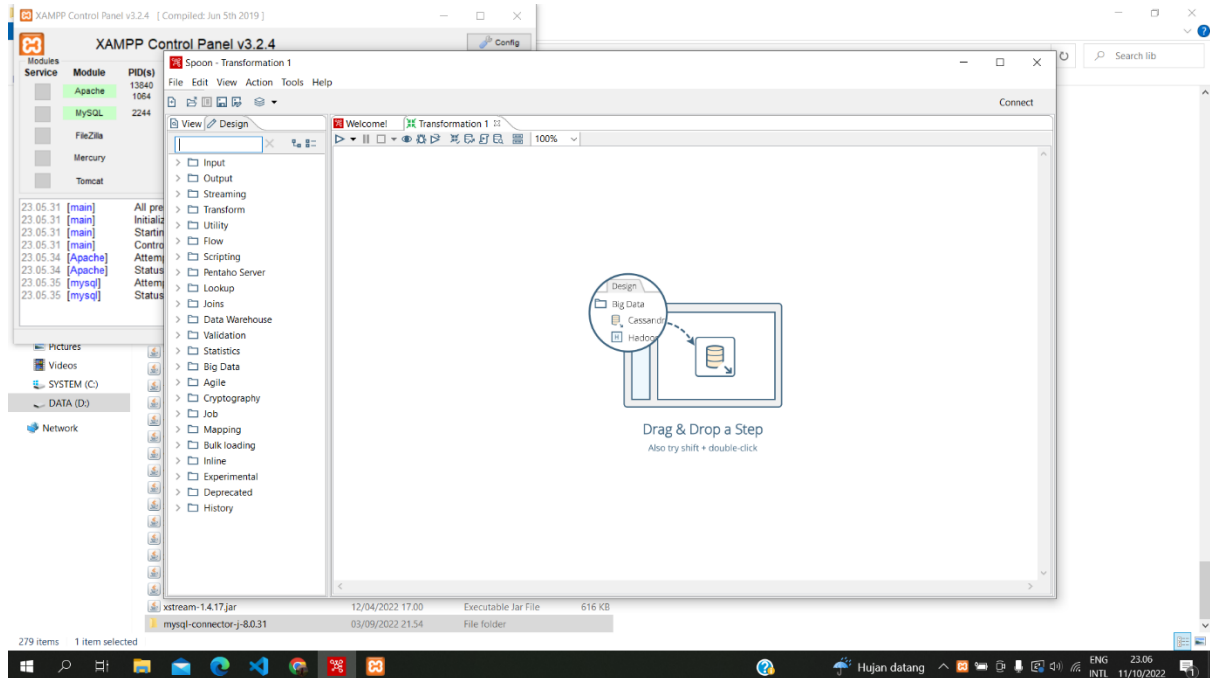
Laman Tampilan Pentaho



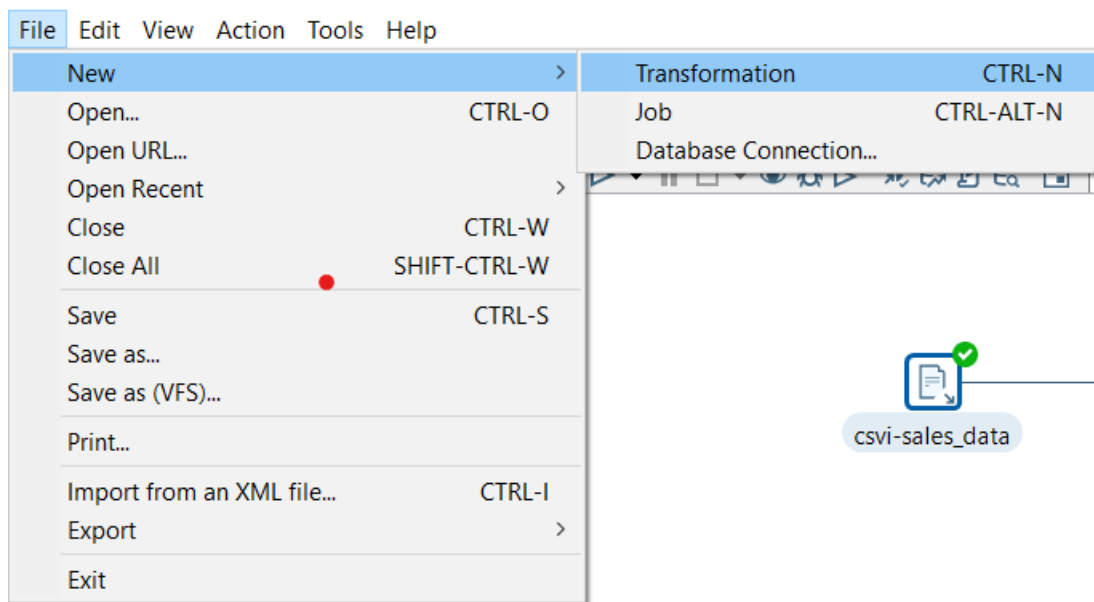
Pentaho Data Integration Evaluation.

Pentaho Data Integration (PDI) adalah solusi dalam pengolahan serta perapian data sehingga data tersebut jauh lebih enak dipandang dan lebih mudah dipahami.

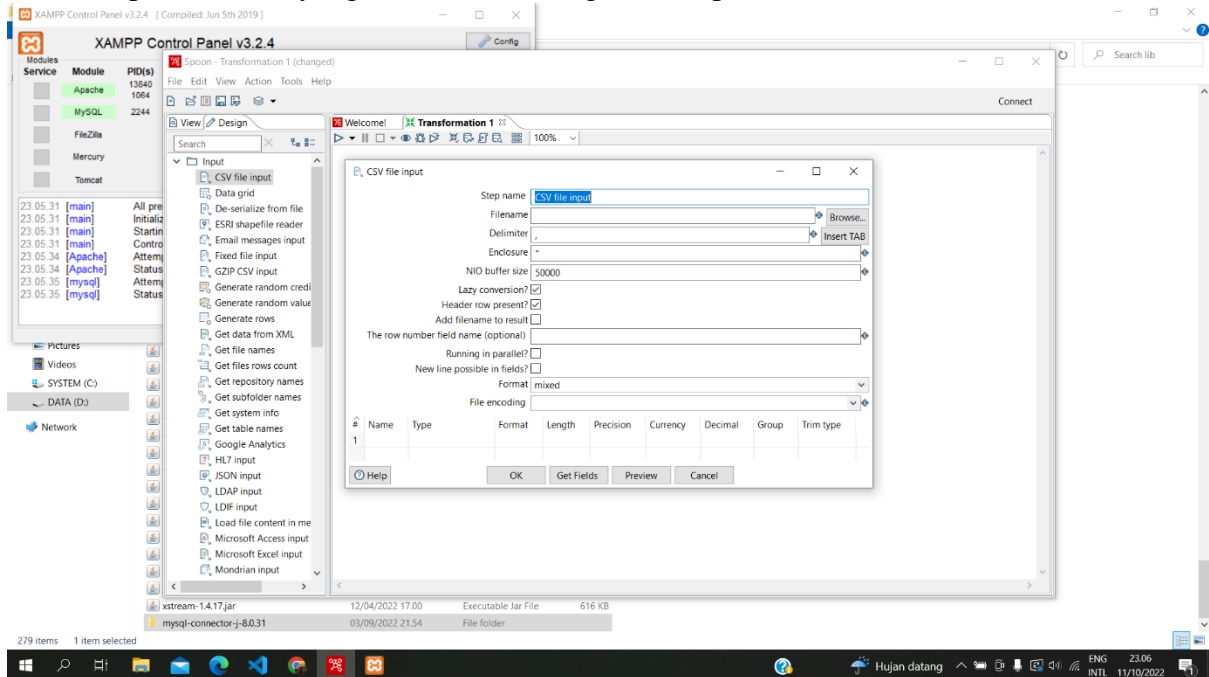
1. Buka Pentaho



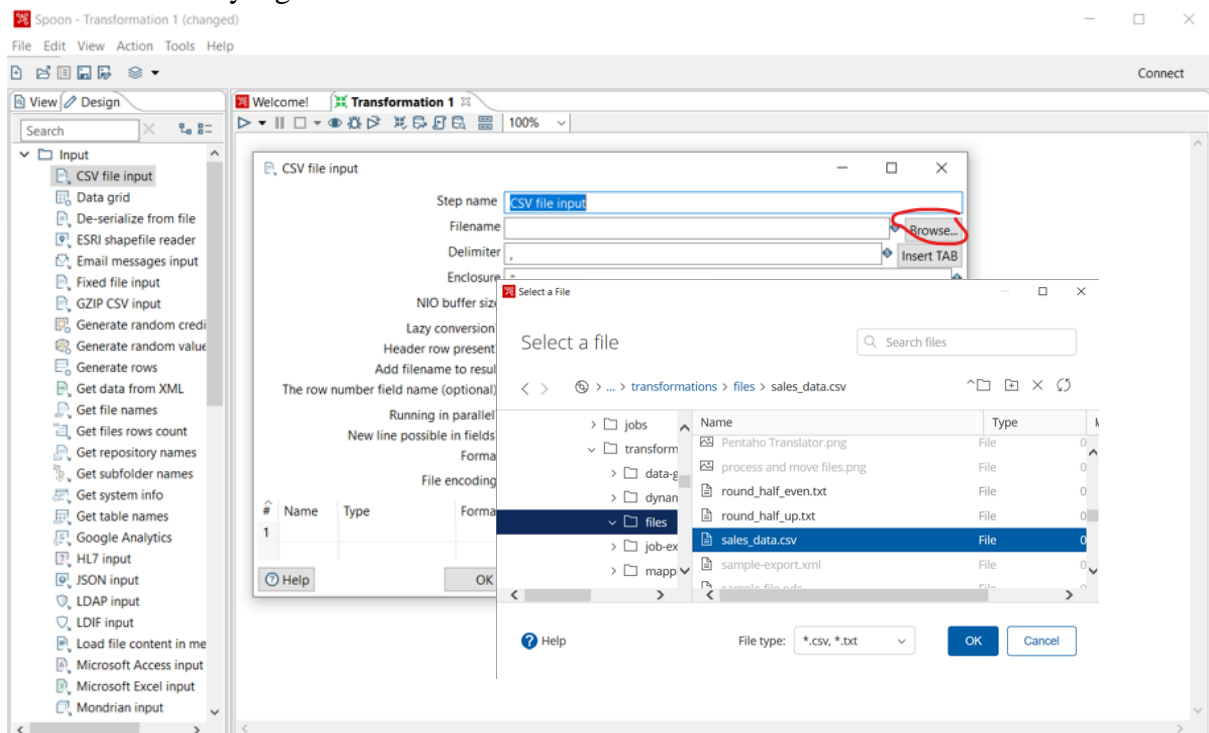
2. Buat laman transformation baru



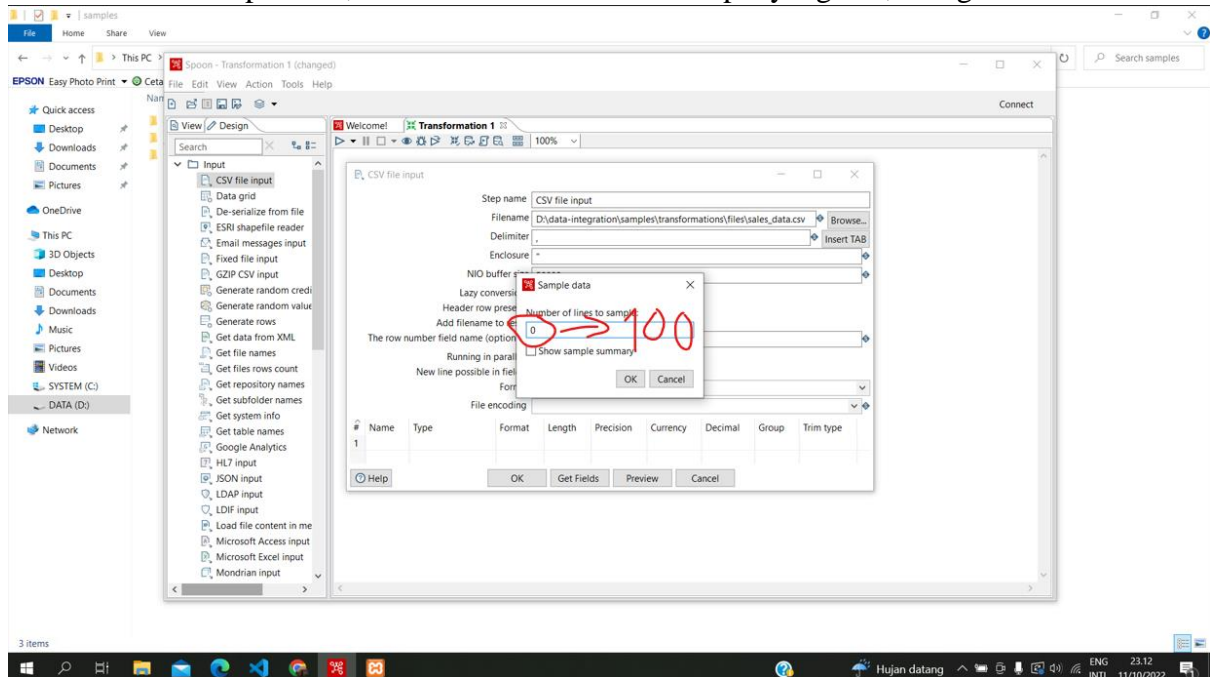
3. Input file CSV yang akan diolah (Drag and Drop, lalu double click)



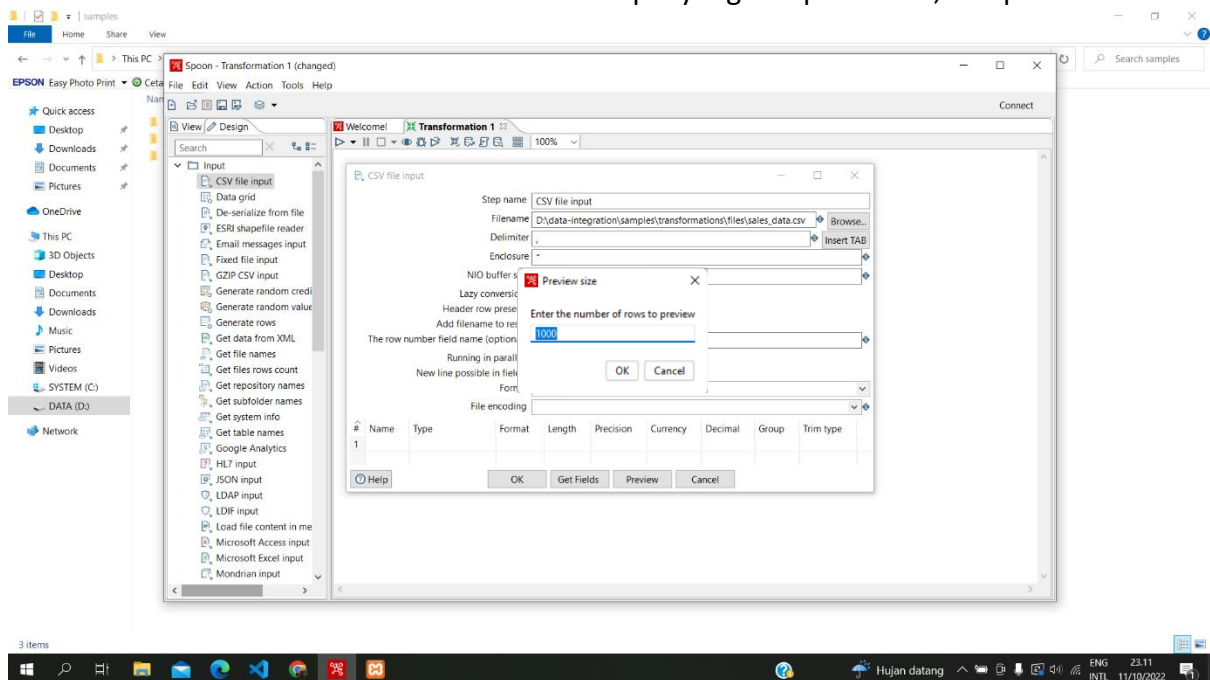
4. Buka file yang akan diolah



5. Ambil sample data, dan ambil 100 data dari sample yang ada, lalu get fields



6. Lalu kita coba lihat review dari 1000 sample yang ada pada data, lalu preview



Sample data yang akan diolah:

Examine preview data

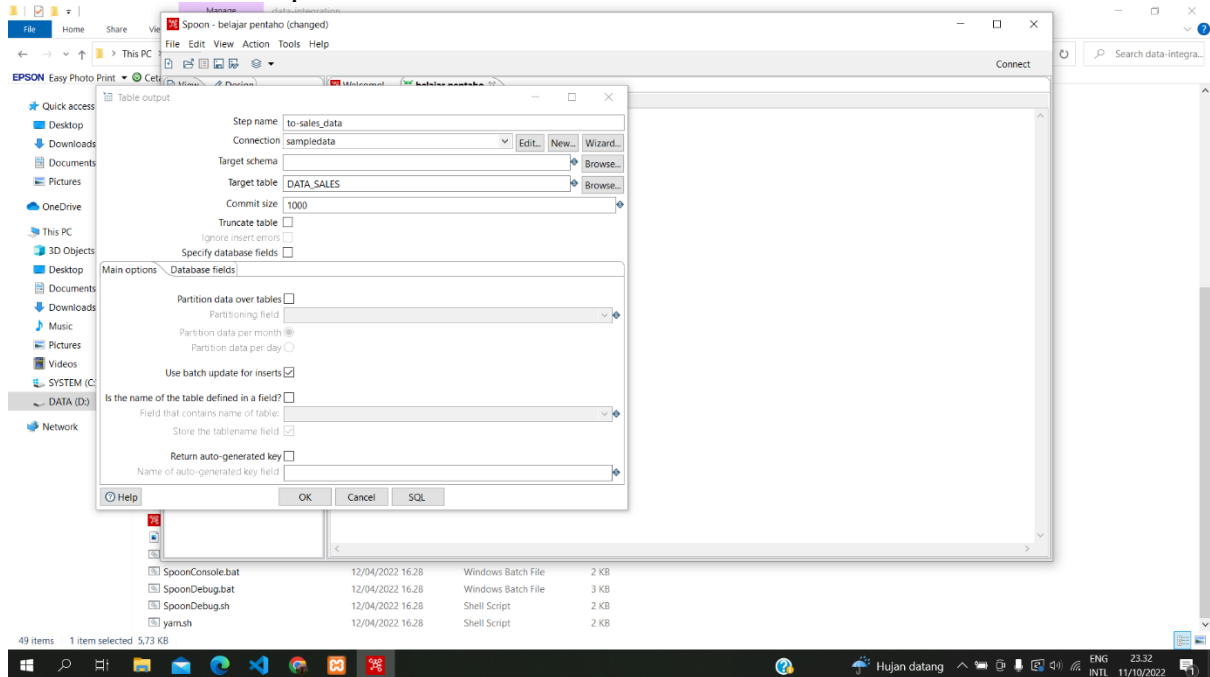
Rows of step: CSV file input (1000 rows)

#	ORDERNUMBER	QUANTITYORDERED	PRICEEACH	ORDERLINENUMBER	SALES	ORDERDATE	STATUS	QTR_ID	MONTH_ID	YEAR_ID	PRODUCTLINE	MSRP	PRODUCTCODE	CUSTOMERNAME	PHONE
7.	10361	26	51.1	8	1329.9	12/17/2004 0:00	Shipped	4	12	2004	Motorcycles	118	S10_2016	Souveniers And Things Co.	+61 2 9495 8555
7.	10374	39	100	5	5288	2/2/2005 0:00	Shipped	1	2	2005	Motorcycles	118	S10_2016	Australian Gift Network, Co	61-7-3844-6555
7.	10388	50	44.5	5	2225.5	3/3/2005 0:00	Shipped	1	3	2005	Motorcycles	118	S10_2016	FunGiftIdeas.com	5085552555
7.	10402	45	100	1	5833.8	4/7/2005 0:00	Shipped	2	4	2005	Motorcycles	118	S10_2016	Auto Canal+ Petit	(1) 47.55.6555
8.	10417	45	100	5	5887.4	5/13/2005 0:00	Disputed	2	5	2005	Motorcycles	118	S10_2016	Euro+ Shopping Channel	(91) 555 94 44
8.	10107	27	100	4	6065.6	2/24/2003 0:00	Shipped	1	2	2003	Motorcycles	193	S10_4698	Land of Toys Inc.	2125557818
8.	10120	46	100	2	9264.9	4/29/2003 0:00	Shipped	2	4	2003	Motorcycles	193	S10_4698	Australian Collectors, Co.	03 9520 4555
8.	10134	31	100	4	7024	7/1/2003 0:00	Shipped	3	7	2003	Motorcycles	193	S10_4698	Lyon Souveniers	+33 1 46 62 7555
8.	10145	33	100	8	5176.4	8/25/2003 0:00	Shipped	3	8	2003	Motorcycles	193	S10_4698	Toys4GrownUps.com	6265557265
8.	10159	22	100	16	4132.7	10/10/2003 0:00	Shipped	4	10	2003	Motorcycles	193	S10_4698	Corporate Gift Ideas Co.	6505551386
8.	10168	20	100	3	4183	10/28/2003 0:00	Shipped	4	10	2003	Motorcycles	193	S10_4698	Technics Stores Inc.	6505556809
8.	10180	41	100	11	8892.9	11/11/2003 0:00	Shipped	4	11	2003	Motorcycles	193	S10_4698	Daedalus Designs Imports	20.16.1555
8.	10188	45	100	3	8714.7	11/18/2003 0:00	Shipped	4	11	2003	Motorcycles	193	S10_4698	Heriku Gifts	+47 2267 3215
8.	10201	49	100	4	8065.9	12/1/2003 0:00	Shipped	4	12	2003	Motorcycles	193	S10_4698	Mini Wheels Co.	6505555787
9.	10210	34	100	1	6123.4	1/12/2004 0:00	Shipped	1	1	2004	Motorcycles	193	S10_4698	Osaka Souveniers Co.	+81 06 6342 5555
9.	10223	49	100	3	9774	2/20/2004 0:00	Shipped	1	2	2004	Motorcycles	193	S10_4698	Australian Collectors, Co.	03 9520 4555
9.	10237	39	100	9	7023.9	4/5/2004 0:00	Shipped	2	4	2004	Motorcycles	193	S10_4698	Vitachrome Inc.	2125551500
9.	10251	43	100	4	7078.2	5/18/2004 0:00	Shipped	2	5	2004	Motorcycles	193	S10_4698	Tekni Collectables Inc.	2015559350
9.	10263	41	100	4	8336.9	6/28/2004 0:00	Shipped	2	6	2004	Motorcycles	193	S10_4698	Gift Depot Inc.	2035552570
9.	10275	36	100	3	6901.9	7/23/2004 0:00	Shipped	3	7	2004	Motorcycles	193	S10_4698	La Rochelle Gifts	40.67.8555
9.	10285	27	100	8	5438.1	8/27/2004 0:00	Shipped	3	8	2004	Motorcycles	193	S10_4698	Marta's Replicas Co.	6175558555
9.	10299	29	100	11	6683.3	9/30/2004 0:00	Shipped	3	9	2004	Motorcycles	193	S10_4698	Toys of Finland, Co.	90-224 8555
9.	10308	20	100	1	4570.4	10/15/2004 0:00	Shipped	4	10	2004	Motorcycles	193	S10_4698	Mini Classics	9145554562
9.	10318	37	100	3	7667.1	11/2/2004 0:00	Shipped	4	11	2004	Motorcycles	193	S10_4698	Diecast Classics Inc.	2155551555
1.	10329	26	100	3	5868.2	11/15/2004 0:00	Shipped	4	11	2004	Motorcycles	193	S10_4698	Land of Toys Inc.	2125557818
1.	10339	39	76.7	3	2990.1	11/23/2004 0:00	Shipped	4	11	2004	Motorcycles	193	S10_4698	Toyko Collectables, Ltd	+81 3 3584 0555
1.	10362	22	100	4	3664.1	1/5/2005 0:00	Shipped	1	1	2005	Motorcycles	193	S10_4698	Technics Stores Inc.	6505556809
1.	10374	22	100	1	3834.4	2/2/2005 0:00	Shipped	1	2	2005	Motorcycles	193	S10_4698	Australian Gift Network, Co	61-7-3844-6555
1.	10388	21	86.8	7	1822.2	3/3/2005 0:00	Shipped	1	3	2005	Motorcycles	193	S10_4698	FunGiftIdeas.com	5085552555
1.	10403	66	100	9	11886.6	4/8/2005 0:00	Shipped	2	4	2005	Motorcycles	193	S10_4698	UK Collectables, Ltd.	(171) 555-2282
1.	10417	56	100	4	9218.2	5/13/2005 0:00	Disputed	2	5	2005	Motorcycles	193	S10_4698	Euro+ Shopping Channel	(91) 555 94 44
1.	10105	50	100	2	7208	2/11/2003 0:00	Shipped	1	2	2003	Classic Cars	136	S10_4757	Danish Wholesale Imports	31 12 3555
1.	10119	46	100	11	5004.8	4/28/2003 0:00	Shipped	2	4	2003	Classic Cars	136	S10_4757	Salzburg Collectables	6562-9555
1.	10129	33	100	2	4398.2	6/12/2003 0:00	Shipped	2	6	2003	Classic Cars	136	S10_4757	Stylish Desk Decors, Co.	(171) 555-0297
1.	10143	49	100	15	5597.8	8/10/2003 0:00	Shipped	3	8	2003	Classic Cars	136	S10_4757	Mini Creations Ltd.	5085559555
1.	10155	32	100	13	4526.1	10/6/2003 0:00	Shipped	4	10	2003	Classic Cars	136	S10_4757	Toys of Finland, Co.	90-224 8555

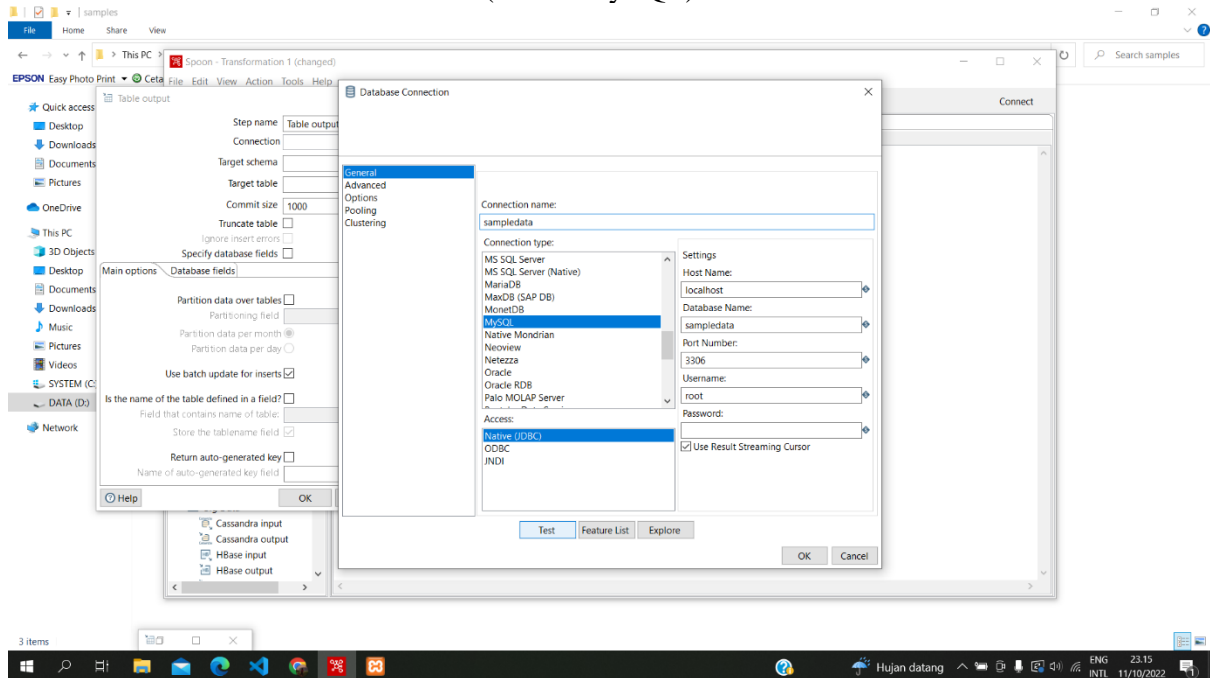
7. Cari table output, lalu double-click table output. Table output akan langsung terintegrasi dengan data

The screenshot shows the SAP Data Warehouse Studio interface. The main window is titled 'Spoon-Transformation 1 (changed)'. On the left, there is a 'View' pane showing a tree structure of components. The 'Table output' component is highlighted. In the center, there is a diagram showing a 'CSV file input' component connected to a 'Table output' component. The 'Table output' component is selected, and a configuration dialog is open. The dialog has a 'Table output' tab, and the 'Write information to a database table' option is checked. The 'Table output' component is also highlighted in the right pane.

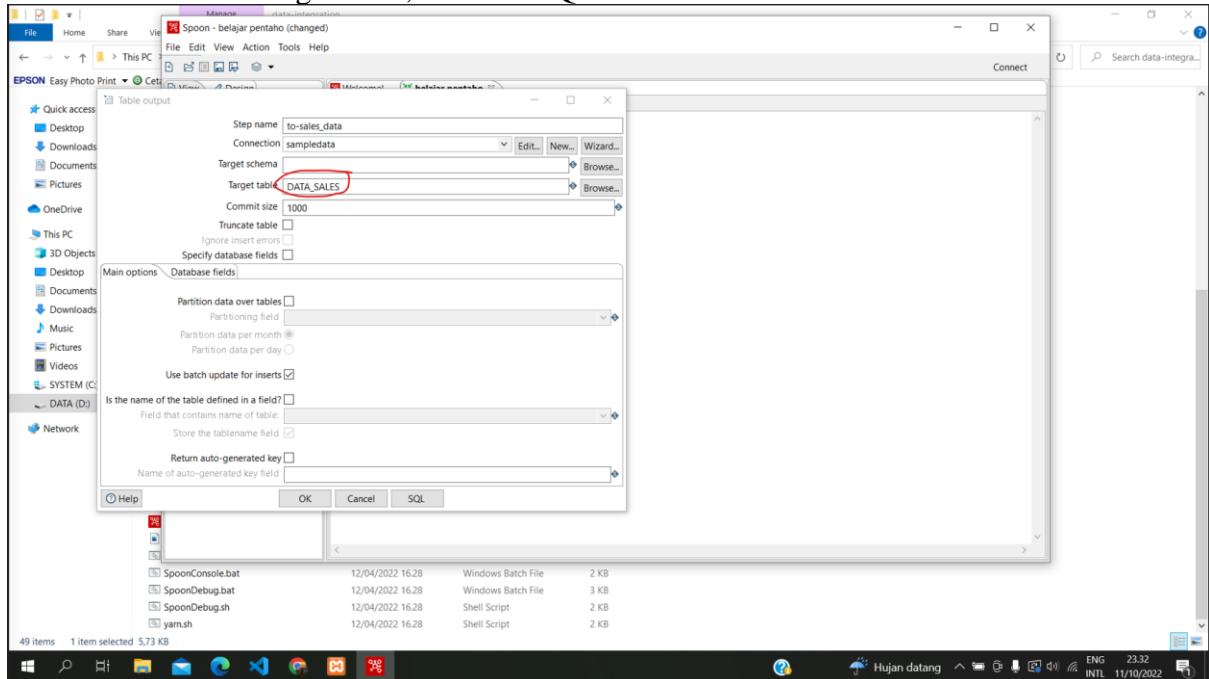
8. Buka table output



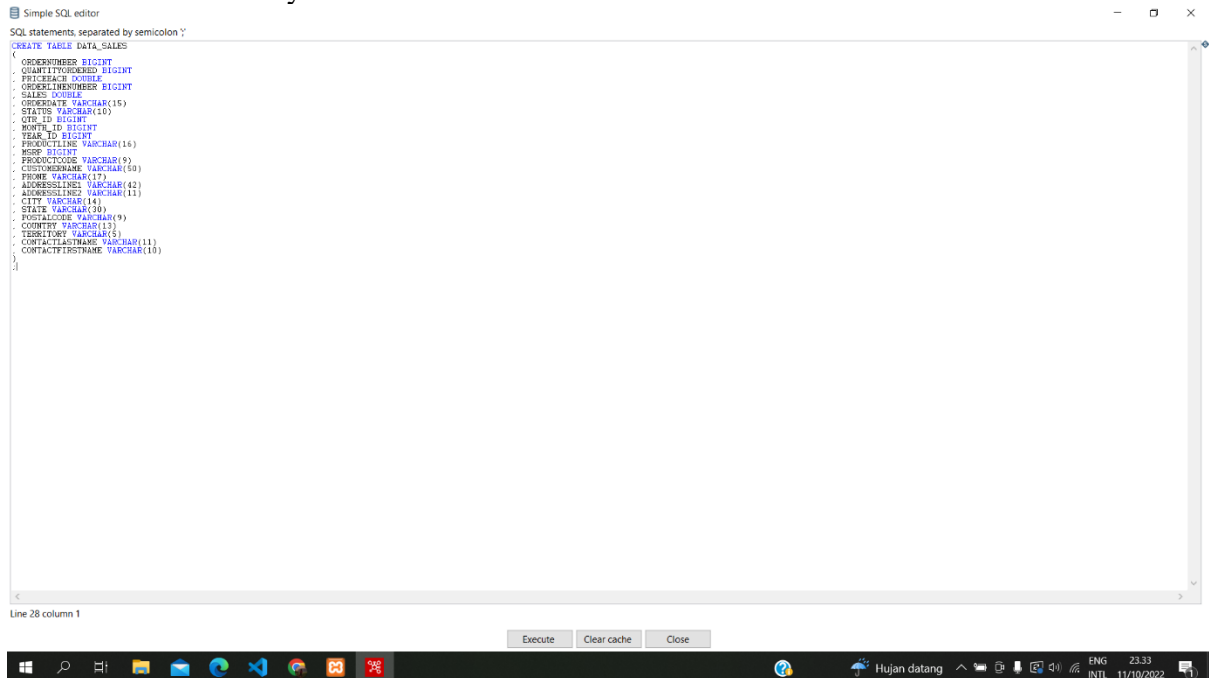
9. Tambahkan Connection baru (misal: MySQL)



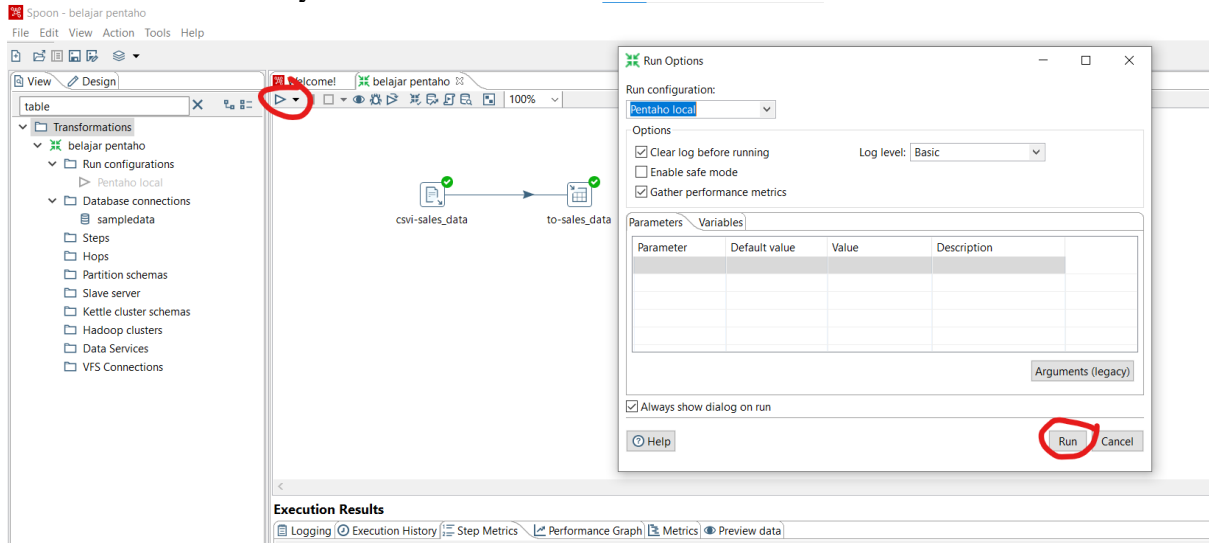
10. Tambahkan target table, lalu klik SQL



11. execute tablenya



12. Jalankan PDI nya



13. Hasil PDI yang berhasil berjalan

