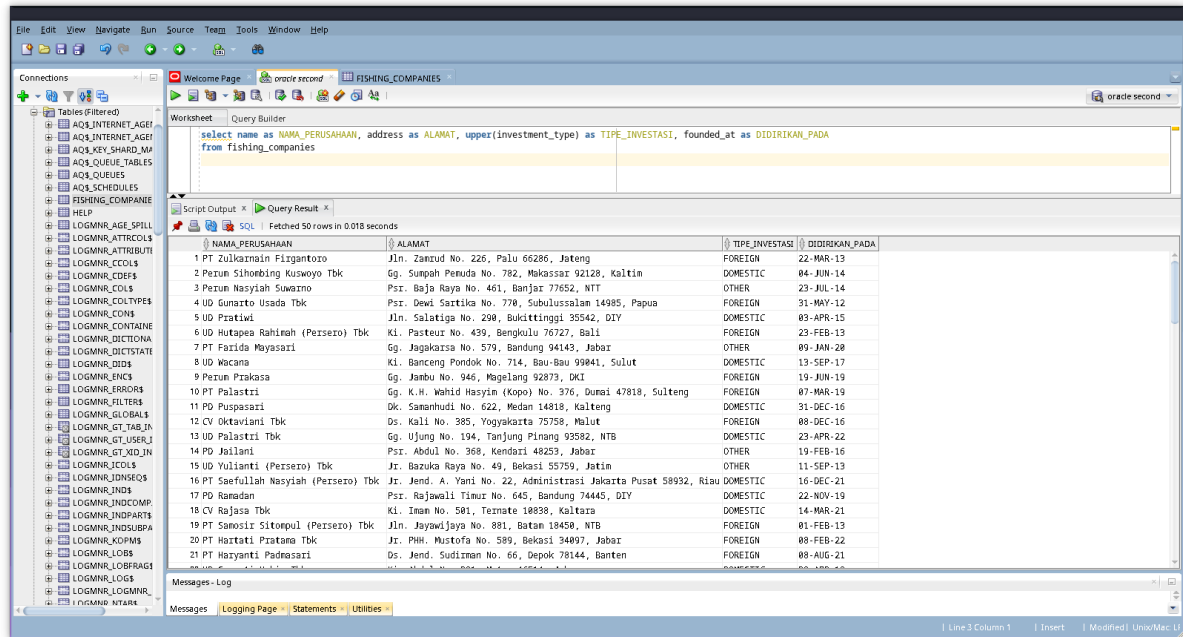


## 1. Extraction

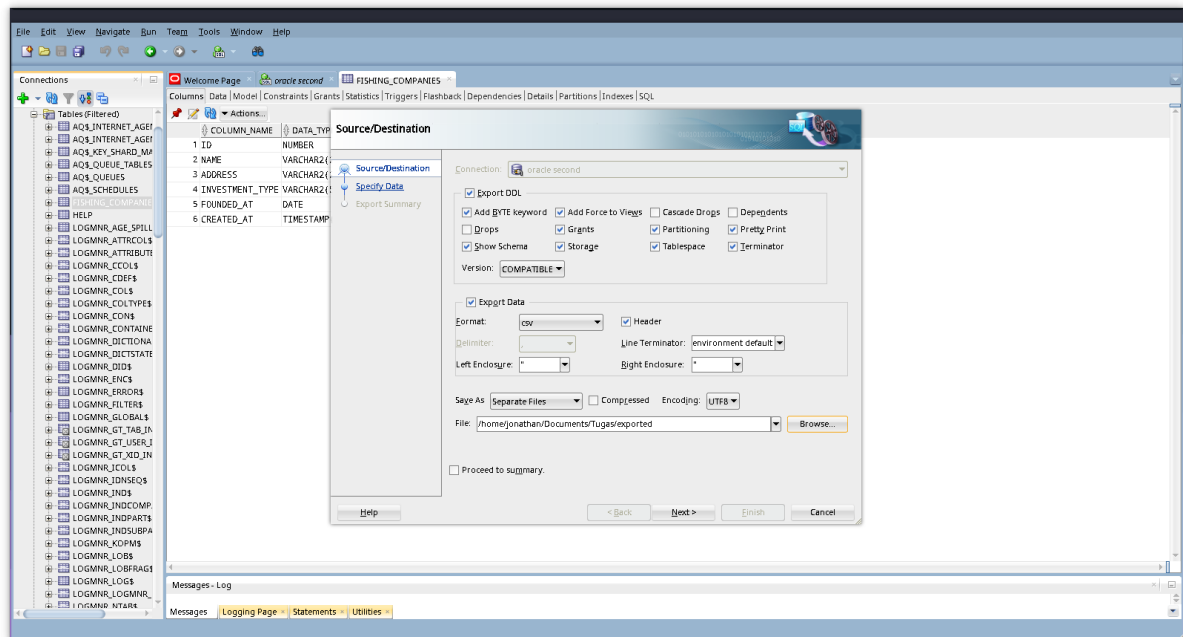
- Table fishing\_companies



The screenshot shows the SQL Developer interface with a query executed against the 'FISHING\_COMPANIES' table. The query is: `select name as NAMA_PERUSAHAAN, address as ALAMAT, upper(investment_type) as TIPE_INVESTASI, founded_at as DIDIRIKAN_PADA from fishing_companies`. The result set contains 21 rows of data.

NAMA_PERUSAHAAN	ALAMAT	TIPE_INVESTASI	DIDIRIKAN_PADA
1 PT Zulkarnain Fiqantoso	Jln. Zamrud No. 226, Palu 66286, Jateng	FOREIGN	22-MAR-13
2 Petun Sihombing Kuswoyo Tbk	Gg. Sumpah Pemuda No. 782, Makassar 92128, Kaltin	DOMESTIC	04-JUN-14
3 Petun Nasyiah Suwazno	Psr. Baja Raya No. 461, Banjar 77652, NTT	OTHER	23-JUL-14
4 UD Gunarto Usada Tbk	Psr. Dewi Sartika No. 770, Subulussalan 14985, Papua	FOREIGN	31-MAY-12
5 UD Pratiwi	Jln. Salatiga No. 290, Bukittinggi 35542, DIY	DOMESTIC	03-APR-15
6 UD Hutapea Rahimah (Perzero) Tbk	Kl. Pasteur No. 439, Bengkulu 76727, Bali	FOREIGN	23-FEB-13
7 PT Farida Mayasari	Gg. Jagakarsa No. 579, Bandung 94143, Jabar	OTHER	09-JAN-28
8 UD Wacana	Kl. Banceng Pondok No. 714, Bau-Bau 99041, Sulut	DOMESTIC	13-SEP-17
9 Petun Prapalasa	Gg. Jambu No. 945, Mogelang 92973, DKI	FOREIGN	19-JUN-19
10 PT Palastri	Gg. K.H. Wahid Hasyim (Kopo) No. 376, Dumai 47818, Sulteng	FOREIGN	07-MAR-19
11 PD Puspasari	Dk. Samanhudi No. 622, Medan 14818, Kalteng	DOMESTIC	31-DEC-16
12 CV Oktaviani Tbk	Ds. Kali No. 385, Yogyakarta 75758, Melut	FOREIGN	08-DEC-16
13 UD Palastri Tbk	Gg. Ujung No. 194, Tanjung Pinang 93582, NTB	DOMESTIC	23-APR-22
14 PD Jailani	Psr. Abdul No. 369, Kendari 48259, Jabar	OTHER	19-FEB-16
15 UD Yulianti (Perzero) Tbk	Jr. Bazuka Raya No. 49, Bekasi 55759, Jatin	OTHER	11-SEP-13
16 PT Saefullah Nasyiah (Perzero) Tbk	Jr. Jend. A. Yani No. 22, Administrasi Jakarta Pusat 58932, Riau	DOMESTIC	16-DEC-21
17 PD Ramadan	Psr. Rajawali Timur No. 645, Bandung 74445, DIY	DOMESTIC	22-NOV-19
18 CV Rajasa Tbk	Kl. Inan No. 581, Temate 10830, Kaltara	DOMESTIC	14-MAR-21
19 PT Samosir Sitompul (Perzero) Tbk	Jln. Jayawijaya No. 881, Batan 18450, NTB	FOREIGN	01-FEB-13
20 PT Hartati Pratana Tbk	Jr. PHH. Mustofa No. 589, Bekasi 34097, Jabar	FOREIGN	08-FEB-22
21 PT Haryanti Padmasari	Ds. Jend. Sudirman No. 66, Depok 78144, Banten	FOREIGN	08-AUG-21

- Extraction to SQL and .csv



```
2 -- DDL For Index FISHING_COMPANIES
--
CREATE TABLE "SYSTEM"."FISHING_COMPANIES"
(
  "ID" NUMBER GENERATED BY DEFAULT AS IDENTITY MINVALUE 1 MAXVALUE 9999999999999999999 INCREMENT BY 1 START WITH 1 CACHE 20 NOORDER NOCYCLE NOKEEP NOSCA
  "NAME" VARCHAR2(255 BYTE),
  "ADDRESS" VARCHAR2(255 BYTE),
  "INVESTMENT_TYPE" VARCHAR2(50 BYTE),
  "FOUNDED_AT" DATE,
  "CREATED_AT" TIMESTMP (3)
) PCTFREE 10 INITRANS 1 MAXTRANS 255
NOCOMPRESS LOCALITY
(
  STORAGE(INITIAL 65536 NEXT 1048576 MINEXTENTS 1 MAXEXTENTS 2147483645
  PCTINCREASE 0 FREELISTS 1 FREELIST GROUPS 1
  BUFFER_POOL DEFAULT FLASH_CACHE DEFAULT CELL_FLASH_CACHE DEFAULT)
  TABLESPACE "SYSTEM"
);

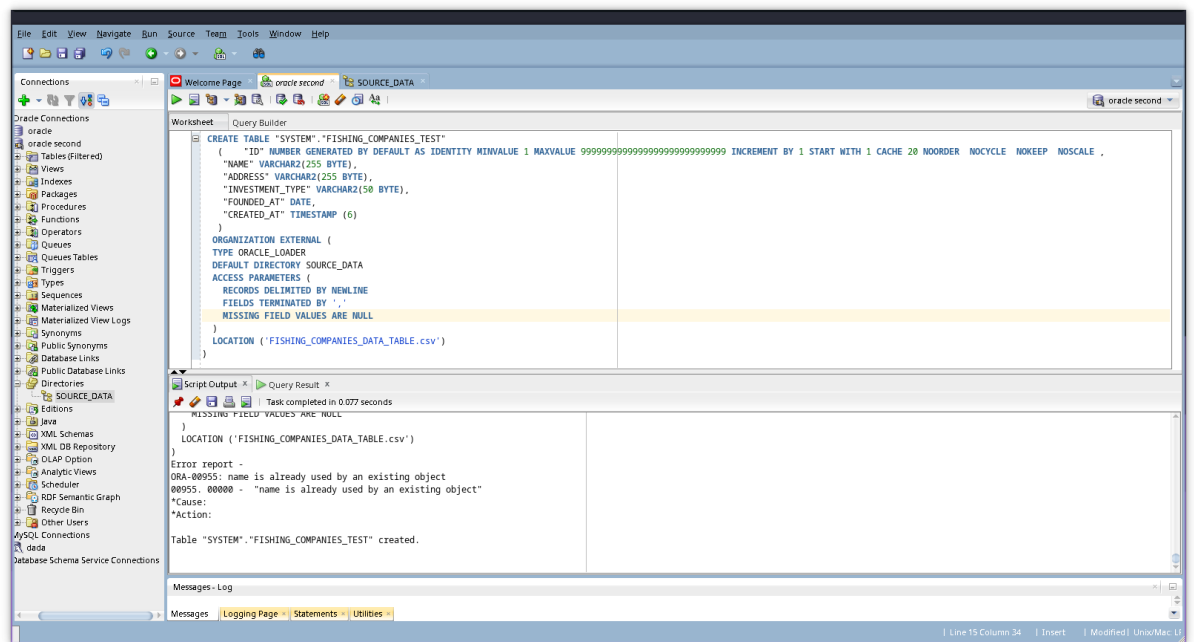
FISHING_COMPANIES.BULK
1 --
2 --PT Zulberrnan Fagustoro "Jln. Jendral No. 226, Pulo 66286, Jember" "foreign" 22-MAR-13 14-MAY-22 09.16.51.54087808 PM
3 --Peran Surodono Kusnopo Tbk "Jlg. Sampah Pendo No. 782, Kassar 92128, Kallim" "domestic" 04-JUN-14 14-MAY-22 09.14.51.34352080 PM
4 --Peran Narsian Sumanar "Pur. Bata Raya No. 441, Bayan 77052, NTB" "other" 23-JUL-14 14-MAY-22 09.14.51.35484880 PM
5 --UD Gunarto Usada Tbk "Pur. Desi Sertika No. 778, Subulussalam 14085, Papua" "foreign" 31-MAY-12 14-MAY-22 09.14.51.36354080 PM
6 --UD Pratiwi "Jln. Selatiga No. 286, Sakalinging 35562, JTB" "domestic" 04-APR-15 14-MAY-22 09.14.51.38573680 PM
7 --PT Farida Nuyandi "Jlg. Japohere No. 879, Bontang 74143, Jember" "other" 09-JAN-20 14-MAY-22 09.14.51.42304880 PM
8 --UD Hutagaia Rahmah (Persero) Tbk "Kl. Pastor No. 439, Bengkulu 76727, Bala" "foreign" 23-FEB-13 14-MAY-22 09.14.51.395422080 PM
9 --UD Hutagaia "Kl. Benceng Pondok No. 714, Btu-Btu 99041, Sulab" "domestic" 13-SEP-17 14-MAY-22 09.14.51.424302880 PM
10 --PT Palastri "Jlg. Jambu No. 944, Boplang 92871, BNT" "foreign" 19-JUN-19 14-MAY-22 09.14.51.442817080 PM
11 --PT Palastri "Jlg. L.H. Baidi Naya (Kao) No. 376, Dasa 57033, Sulteng" "foreign" 07-MAR-19 14-MAY-22 09.14.51.455645080 PM
12 --CV Puspasari "Jlg. Sanehuli No. 622, Pemas 14318, Kalteng" "domestic" 31-DEC-16 14-MAY-22 09.14.51.444927080 PM
13 --CV Detaradi Tbk "Jlg. Kall No. 389, Yogyakarta 76758, Rolab" "foreign" 08-DEC-16 14-MAY-22 09.14.51.455645080 PM
14 --UD Palastri Tbk "Jlg. Ujung No. 194, Tanjung Pinang 93082, NTB" "domestic" 23-APR-22 14-MAY-22 09.14.51.500445080 PM
15 --UD Palastri "Jlg. Jambu No. 366, Kendak 48253, Jember" "other" 23-FEB-14 14-MAY-22 09.14.51.52737808 PM
16 --UD Valanti (Persero) Tbk "Jl. Baka Raya No. 49, Bekasi 55759, Jaba" "other" 11-SEP-13 14-MAY-22 09.14.51.534231080 PM
17 --PT Saefullah Nasyid (Persero) Tbk "Jl. Jend. A. Yani No. 22, Administrasi Jakarta Pusat 50932, Rias" "domestic" 14-DEC-21 14-MAY-22 09.14.51.550755080 PM
18 --PT Saefullah "Jlg. Balaeti Tase No. 665, Bandung 74443, JTB" "domestic" 22-MAY-19 14-MAY-22 09.14.51.561858080 PM
19 --CV Rajasa Tbk "Kl. Inan No. 581, Tervate 18838, Kaltara" "domestic" 14-MAR-21 14-MAY-22 09.14.51.593560080 PM
20 --PT Samsir Samsir (Persero) Tbk "Jlg. Jember No. 881, Batas 34509, NTB" "foreign" 01-FEB-13 14-MAY-22 09.14.51.487506080 PM
21 --PT Martati Pratama Tbk "Jl. PM. Mustafa No. 589, Bekasi 34097, Jaba" "foreign" 08-FEB-22 14-MAY-22 09.14.51.416443080 PM
22 --PT Martati Pratama Tbk "Jlg. Jember No. 881, Batas 34509, NTB" "foreign" 01-FEB-13 14-MAY-22 09.14.51.487506080 PM
23 --UD Susanti Haki Tbk "Kl. Abdi No. 391, Metro 46514, Jaba" "domestic" 30-APR-18 14-MAY-22 09.14.51.465702080 PM
24 --PT Unais "Kl. Tangkuban Perahu No. 772, Serang 33552, Rias" "domestic" 28-OCT-12 14-MAY-22 09.14.51.684912080 PM
25 --UD Rukhadi "Kl. Rukhadi No. 431, Jember 34208, Rolab" "other" 30-AUG-17 14-MAY-22 09.14.51.705031080 PM
26 --CV Mustafa Kunga Tbk "Jlg. Nones No. 893, Pagar Alam 34588, NTB" "foreign" 15-SEP-14 14-MAY-22 09.14.51.722863080 PM
27 --PT Rianti Ardiatno "Kl. Sero No. 772, Pongorlempun 43188, Rolab" "other" 23-AUG-14 14-MAY-22 09.14.51.729078080 PM
28 --CV Manulang (Persero) Tbk "Kl. Nasaruddin No. 391, Pagar Alam 72472, Rolab" "other" 06-MAR-22 14-MAY-22 09.14.51.743849080 PM
29 --PT Rianti Rianti "Kl. Rianti No. 321, Lhokseumawe 99690, NTB" "other" 20-JUL-15 14-MAY-22 09.14.51.761388080 PM
NORMAL FISHING_COMPANIES.BULK TABLE.CSV 21:24 | Unix | utf-8 | no ft 1x 2-2 FISHING_COMPANIES.CONSTRAINT.SQL 100% 7-1
vertical resize
[Icons] [Icons] [Icons] [Icons]
```

```
1 --
2 -- DDL For Index SYS_C008221
--
3
4 CREATE UNIQUE INDEX "SYSTEM"."SYS_C008221" ON "SYSTEM"."FISHING_COMPANIES" ("ID")
5 PCTFREE 10 INITRANS 2 MAXTRANS 255
6 STORAGE(INITIAL 65536 NEXT 1048576 MINEXTENTS 1 MAXEXTENTS 2147483645
7 PCTINCREASE 0 FREELISTS 1 FREELIST GROUPS 1
8 BUFFER_POOL DEFAULT FLASH_CACHE DEFAULT CELL_FLASH_CACHE DEFAULT)
9 TABLESPACE "SYSTEM" ;

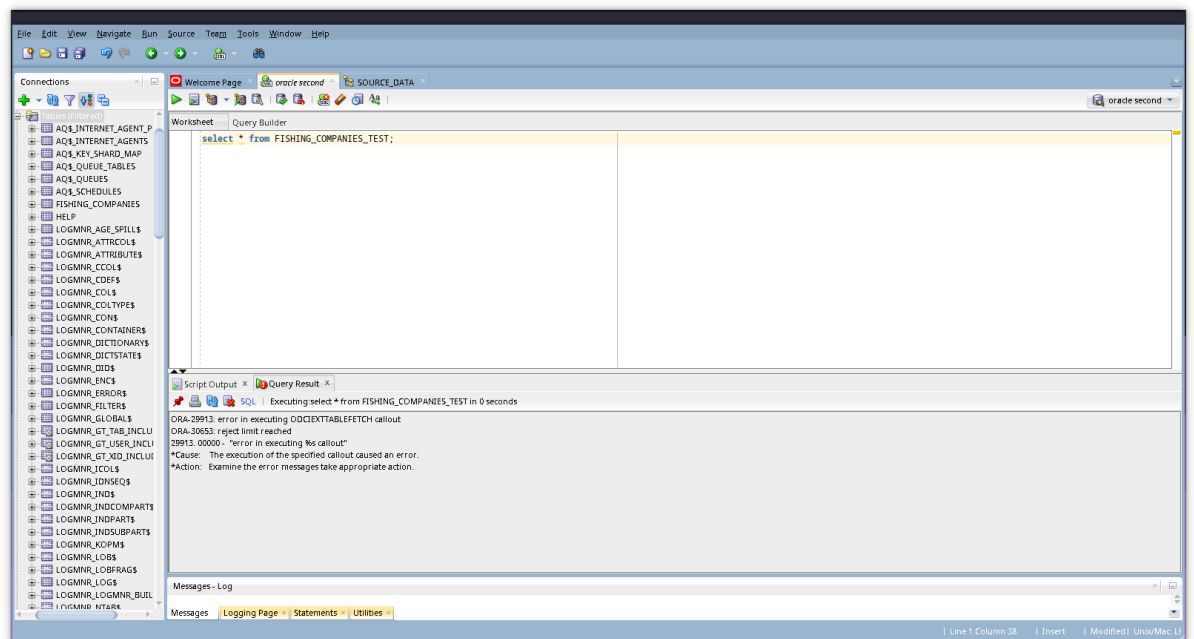
NORMAL SYS_C008221.sql
```

Gambar diatas adalah hasil export dari proses extraction, dimana dihasilkan 5 file yaitu FISHING\_COMPANIES\_CONSTRAINT.sql  
FISHING\_COMPANIES\_DATA\_TABLE.csv  
FISHING\_COMPANIES.sql  
Generated-20220514212329.sql  
SYS\_C008221.sql

## 2. External Tables



### Hasil query terhadap external tables



Ketika diselidiki log nya terdapat error sebagai berikut

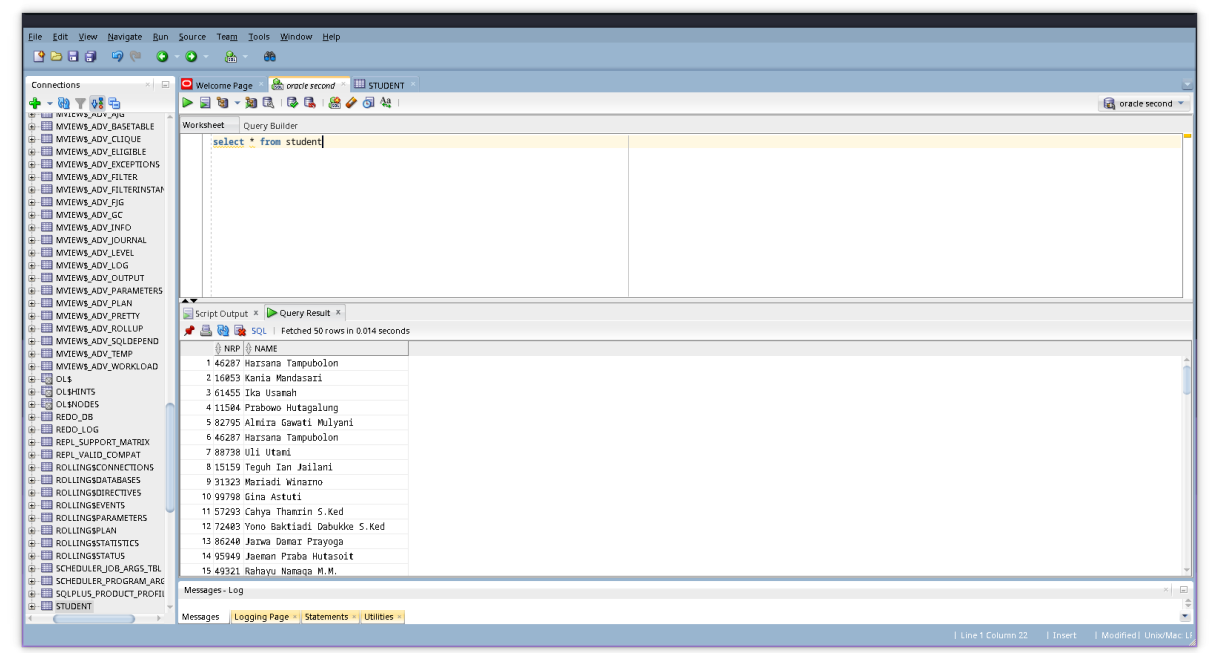
```
Bad File: FISHING_COMPANIES_TEST_4204.bad

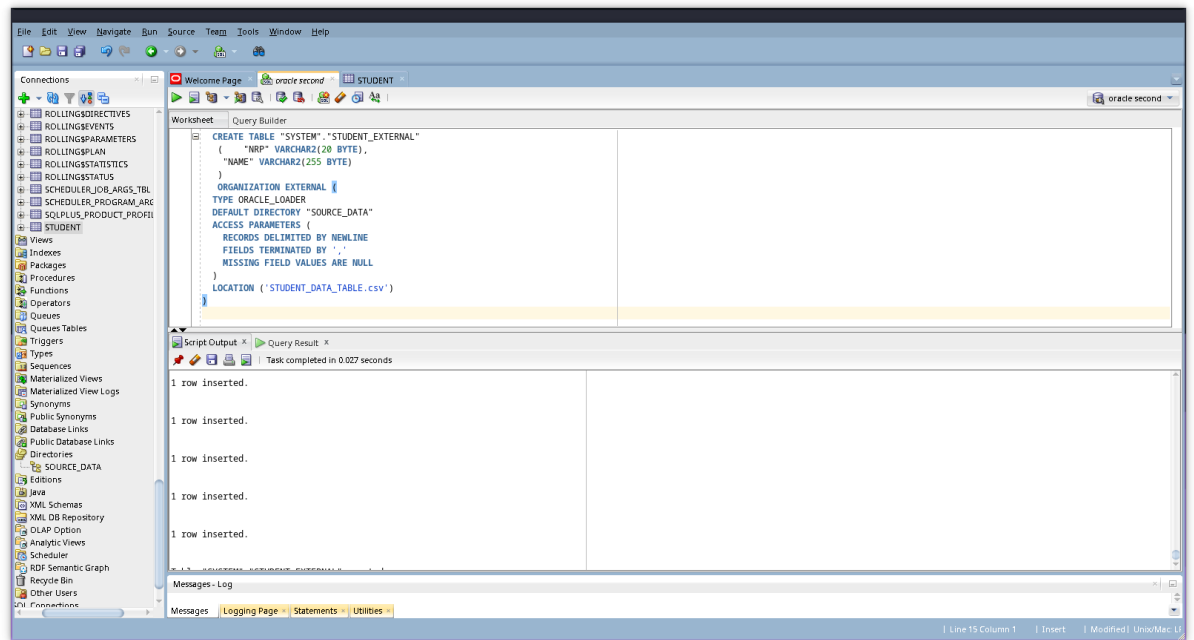
Field Definitions for table FISHING_COMPANIES_TEST
Record format DELIMITED BY NEWLINE
Data in file has same endianness as the platform
Rows with all null fields are accepted

Fields in Data Source:

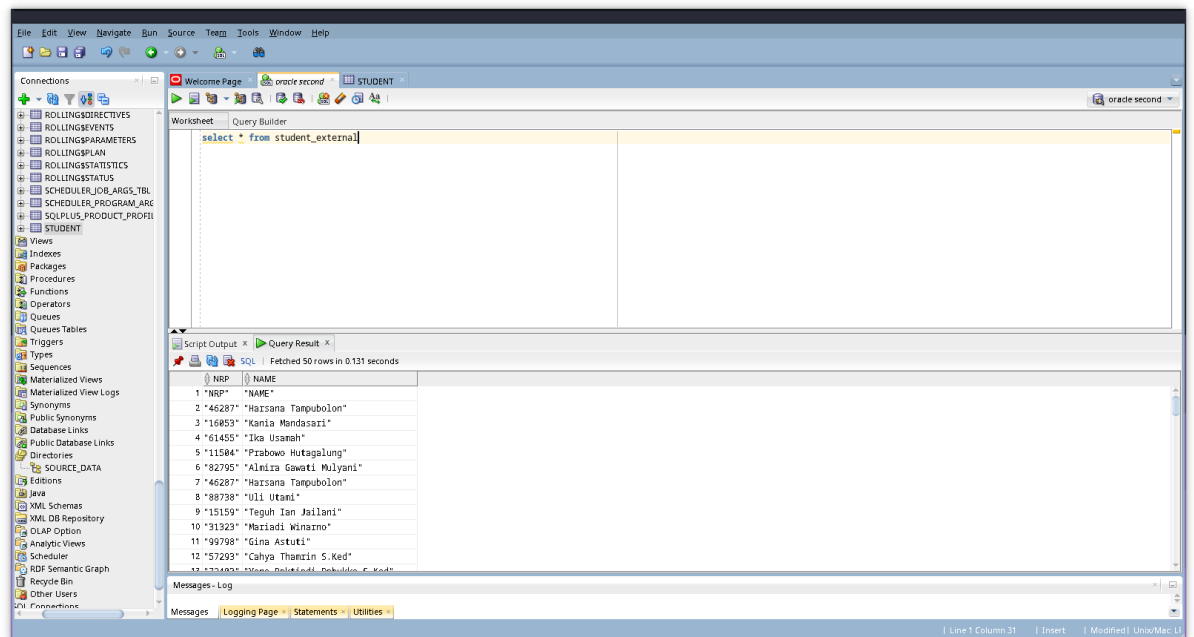
ID                                CHAR (255)
Terminated by ",",
Trim whitespace same as SQL Loader
NAME                              CHAR (255)
Terminated by ",",
Trim whitespace same as SQL Loader
ADDRESS                          CHAR (255)
Terminated by ",",
Trim whitespace same as SQL Loader
INVESTMENT_TYPE                  CHAR (255)
Terminated by ",",
Trim whitespace same as SQL Loader
FOUNDED_AT                       CHAR (255)
Terminated by ",",
Trim whitespace same as SQL Loader
CREATED_AT                      CHAR (255)
Terminated by ",",
Trim whitespace same as SQL Loader
error processing column ID in row 1 for datafile /home/oracle/exported/FISHING_COMPANIES_DATA_TABLE.csv
ORA-01722: invalid number
```

Namun saya masih belum dapat menemukan solusi untuk masalah tersebut, sehingga berikut adalah percobaan menggunakan data yang lain





Dan ternyata berhasil



Sepertinya issue terdapat pada ID pada table fishing\_companies dan exported data nya