

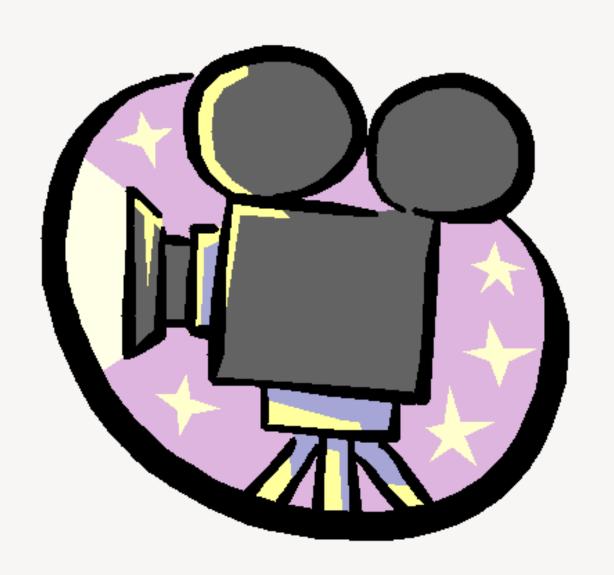
LEGEND Movie Database

Melek LAÇİN Özge ÖZCAN Rukiye DEMİRCİ Şule KAYA



Movie Database







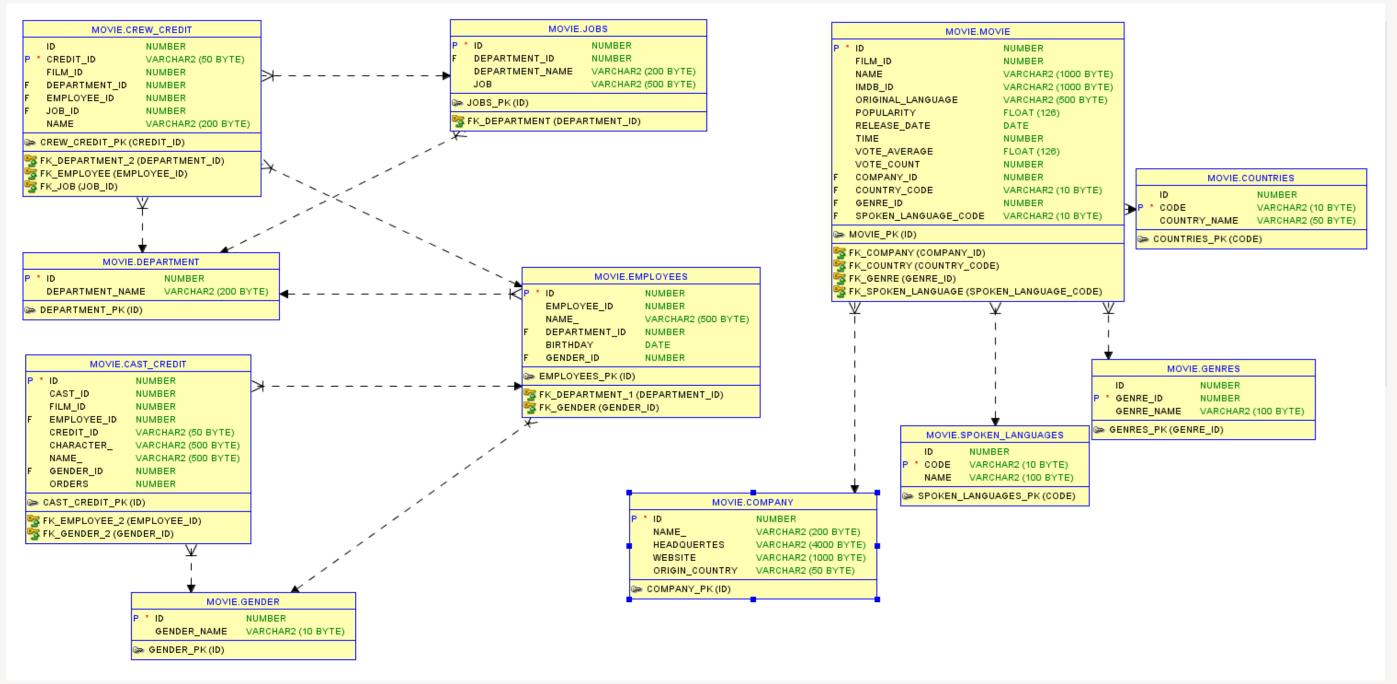
Proje içeriği

- Veritabanı
- Normalizasyon
- Stored Procedure
- Combining and Joining Data
- Functions and String Functions
- View
- Loop
- Case when
- If conditions
- Talend



Veritabanı







Veritabanı

COMPANY		
ID	NUMBER	
NAME_	VARCHAR2(200)	
HEADQUERTES	VARCHAR2(4000)	
WEBSITE	VARCHAR2(1000)	
ORIGIN_COUNTRY	VARCHAR2(50)	

MOVIE	
ID	NUMBER
FILM_ID	NUMBER
NAME	VARCHAR2(1000)
IMDB_ID	VARCHAR2(1000)
ORIGINAL_LANGUAGE	VARCHAR(500)
POPULARITY	FLOAT
RELEASE_DATE	DATE
TIME	NUMBER
VOTE_AVERAGE	FLOAT
VOTE_COUNT	NUMBER
COMPANY_ID	NUMBER
COUNTRY_CODE	NUMBER
GENRE_ID	NUMBER
SPOKEN_LANGUAGE_ID	NUMBER

COUNTRIES	
ID	NUMBER
CODE	VARCHAR2(10)
COUNTRY_NAME	VARCHAR(20)

GENRES	
ID	NUMBER
GENRE_ID	NUMBER
GENRE_NAME	VARCHAR2(100)

SPOKEN_LANGUAGES	
ID	NUMBER
CODE	VARCHAR2(10)
NAME	VARCHAR2(100

EMPLOYEES	
ID	NUMBER
EMPLOYEE_ID	NUMBER
NAME_	VARCHAR2(500)
DEPARTMENT_ID	NUMBER
BIRTHDAY	DATE
GENDER_ID	NUMBER

GENDER	
ID	NUMBER
GENDER_NAME	VARCHAR2(10)

DEPARTMENT	
ID	NUMBER
DEPARTMENT_NAME	VARCHAR2(200)

CAST_CREDIT	
ID	NUMBER
CAST_ID	NUMBER
FILM_ID	NUMBER
EMPLOYEE_ID	NUMBER
CREDIT_ID	VARCHAR2(50)
CHARACTER_	VARCHAR2(500)
NAME_	VARCHAR2(500)
GENDER_ID	NUMBER
ORDERS	NUMBER

JOBS	
ID	NUMBER
DEPARTMENT_ID	NUMBER
DEPARTMENT_NAME	VARCHAR2(200)
JOB	VARCHAR2(500)

RELEASEDATE	
ID	NUMBER
FILM_ID	NUMBER
RELEASE_DATE	DATE

REVIEW	
ID	NUMBER
FILM_ID	NUMBER
AUTHOR	VARCHAR2(200)
CONTENT	VARCHAR2(5000

CREW_CREDIT	
ID	NUMBER
CREDIT_ID	VARCHAR2(50)
FILM_ID	NUMBER
DEPARTMENT_ID	NUMBER
EMPLOYEE_ID	NUMBER
JOB_ID	NUMBER
NAME	VARCHAR2(200)



Normalizasyon

- Veri tekrarı olmaması
- İlişkilerin anlamsal bütünlüğü
- Null değerlerin azlığı
- PK değerlerinin tanımlanması
- Tablolar arası ilişkilerin ve FK bağlantılarının yapılması
- Tabloların mümkün olan en ufak boyutta tutulması



Stored Procedure

- New employee
- Employee and

Department Relationship

Movie

```
CREATE OR REPLACE PROCEDURE new_employee

(
id number, employee_id number, name_ varchar2, department_id number, birthday date, gender_id number
)
IS
BEGIN
INSERT INTO employees values(id, employee_id, name_, department_id, birthday, gender_id);
COMMIT;
END;
execute new_employee (40270,90903, 'Carina Dev Eason', 8,16/10/1995,0);
```

cript Output X





Combining and Joining Data

- Intersect
- Minus
- Union
- Joins

	FILM_ID	NAME		NAME_	∯ JOB
1	2	Shadows in Paradise	Camera	Linda Spheeris	Camera
2	2	Shadows in Paradise	Directing	Raymond Cistheri	Directing
3	2	Shadows in Paradise	Production	Raymond Cistheri	Production
4	2	Shadows in Paradise	Writing	Raymond Cistheri	Writing
5	16	The Endless Summer	Art	Melissa Campbell	Art
6	16	The Endless Summer	Art	Shanthini Venugopal	Art
7	16	The Endless Summer	Camera	Gina Carter	Camera
8	16	The Endless Summer	Camera	Roger Bowen	Camera
9	16	The Endless Summer	Costume & Make-Up	Deanna Yusoff	Costume & Make-Up
10	16	The Endless Summer	Crew	Kathy Griffin	Crew
11	16	The Endless Summer	Directing	Halle Berry	Directing
12	16	The Endless Summer	Editing	Kieran Aherne	Editing
13	16	The Endless Summer	Editing	Melissa M. Levander	Editing
14	16	The Endless Summer	Production	Alvaro Roque	Production
15	16	The Endless Summer	Production	Franck Lefeuvre	Production
16	16	The Endless Summer	Production	Gerard Kearney	Production
17	16	The Endless Summer	Production	Hilton Rosemarin	Production
18	16	The Endless Summer	Production	Jeff Eigel	Production
19	16	The Endless Summer	Production	Joanna Griffiths	Production

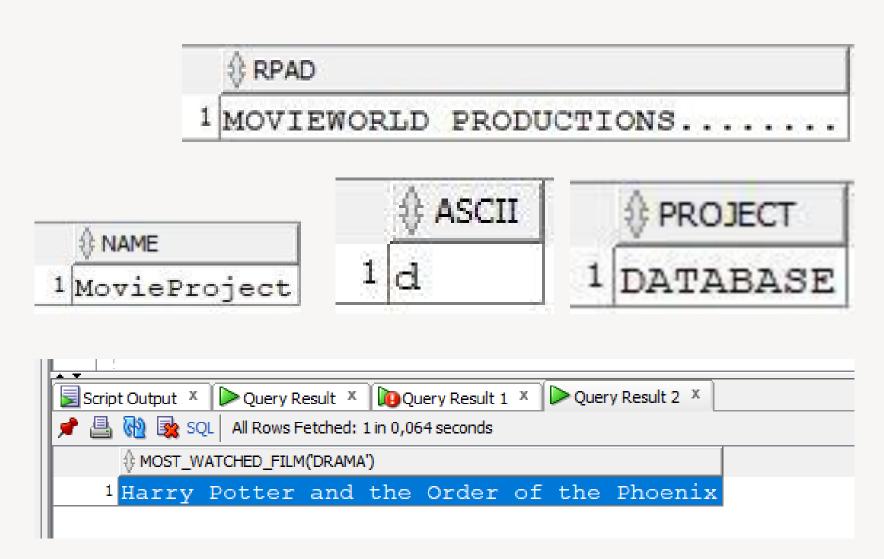
	FILM_ID	∯ ID	♦ NAME	♦ NAME_
1	2	244	Ariel	French Productions
2	3	1516	Shadows in Paradise	Kindai Eiga Kyokai
3	5	583	Four Rooms	Westdeutsche Universum-Film GmbH
4	6	1726	Judgment Night	Martinelli Film Company International S.r.l
5	9	2088	Sunday in August	NALA Films
6	11	1068	Star Wars	Barzo Productions
7	12	425	Finding Nemo	teamWorx
8	13	298	Forrest Gump	Carlyle Production
9	14	645	American Beauty	Imar Film Co., Ltd.
10	15	1060	Citizen Kane	Oliane Productions
11	16	2021	Dancer in the Dark	Kurt Ulrich Filmproduktion
12	17	428	The Dark	Talía Films
13	18	1089	The Fifth Element	Witt/Thomas Productions
14	19	1115	Metropolis	M6 Films
15	20	1108	My Life Without Me	Oliwood Productions
16	21	2102	The Endless Summer	Frankovich Productions
17	22	2032	Pirates of the Caribbean: The Curse of the Black Pearl	Orange Pictures
18	25	760	Jarhead	Les Productions Bagheera
19	26	1733	Walk on Water	Inducine





Functions and String Functions

İstenen türe göre en çok
 izlenen film ismini getiren
 fonksiyon





View

- Film seçme
- Maximum Budget
- Most watched films by category
- Ülkelerin ürettiği film sayısı

	∯ GENRE_ID	GENRE_NAME	♦ FILM_NAME	♦ POPULARITY
1	28	Action	1.Toy Story 2	50503
2	28	Action	2.Ice Age: The Meltdown	46964
3	28	Action	3.Flussfahrt mit Huhn	46388
4	28	Action	4. Forrest Gump	46200
5	28	Action	5.Jaws	44475
6	ASSESS	Adventure	1.Spider-Man	72418
7	12	Adventure	2.Down by Law	44084
8	12	Adventure	3.Edward Scissorhands	41651
9	12	Adventure	4.Mission: Impossible	34412
10	12	Adventure	5.Ghost Rider	32357
11	16	Animation	1.Terminator 2: Judgment Day	43827
12	16	Animation	2.Raiders of the Lost Ark	28185
13	16	Animation	3.Lost in Translation	25718
14	16	Animation	4.Dirty Dancing	24466
15	16	Animation	5. The Third Man	16547
16	35	Comedy	1. Pirates of the Caribbean: The Cu	56942
17	35	Comedy	2. Charlie and the Chocolate Factory	51053
18	35	Comedy	3. The Terminator	46629
19	35	Comedy	4.Blue Velvet	44866
20	35	Comedy	5. The Music Room	44081
21	80	Crime	1.Shrek	76652
22	80	Crime	2.Star Wars	57094

♦ NAME		⊕ CONTENT	♦ AUTHOR	♦ YIL	
1 Dancer in the Dark	War	Star Wars (1977) is a true masterpiece of cinem	gastyny	2000	5 YERLİ
2 The Dark	Music	One of the best animated films I have ever seen	Dave09	2005	9 YERLİ
3 The Dark	Music	Utterly stunning. There isn't anything to di	r96sk	2005	9 YERLİ
4 My Life Without Me	TV Movie	The Greatest Movie of All Time! That's the gene	Gurre	2003	3 YABANCI
5 My Life Without Me	TV Movie	I fondly recollect, growing up in Canada in the	talisencrw	2003	3 YABANCI
6 Dancer in the Dark	War	(As I'm writing this review, Darth Vader's them	Cat Ellington	2000	5 YERLİ
7 Dancer in the Dark	War	A long time ago in a childhood not too far away	John Chard	2000	5 YERLİ



Loop

Employee Department

Employee ID

```
DECLARE

CURSOR employee_department

IS

SELECT

employees.name_,department.department_name

FROM

employees JOIN department on department.id=employees.department_id;

BEGIN

FOR ed_name IN employee_department

LOOP

dbms_output.put_line(ed_name.name_||' '||ed_name.department_name);

END LOOP;

END;
```



Case when



- Genres
- Budget

_					
Quer	ry Result X				
	🔃 🔯 SQL F	etched 50 rows in 0,515 seconds			
	BUDGET	NAME		HENBUDGET < 375	01601THEN'DUS
1	2900000	The Leopard	DUSUK	GELIRLI	FILM
2	35000000	Shower	DUSUK	GELIRLI	FILM
3	30000000	The French Connection	DUSUK	GELIRLI	FILM
4	0	Breathless	DUSUK	GELIRLI	FILM
5	0	The Hidden Fortress	DUSUK	GELIRLI	FILM
6	0	Black Cat, White Cat	DUSUK	GELIRLI	FILM
7	0	Point Break	DUSUK	GELIRLI	FILM
8	0	The Third Man	DUSUK	GELIRLI	FILM
9	0	The Story of the Weeping Camel	DUSUK	GELIRLI	FILM
10	0	Dreamgirls	DUSUK	GELIRLI	FILM
11	0	Rocky Balboa	DUSUK	GELIRLI	FILM
12	0	The Good Shepherd	DUSUK	GELIRLI	FILM
13	6500000	Ghost Rider	DUSUK	GELIRLI	FILM
14			DUSUK	GELIRLI	FILM
15	6000000	Street Kings	DUSUK	GELIRLI	FILM
16	0	Meet the Robinsons	DUSUK	GELIRLI	FILM
17			DUSUK	GELIRLI	FILM
18			DUSUK	GELIRLI	FILM
19	27000000	Bean	DUSUK	GELIRLI	FILM
20	14000000	Torrente, the Dumb Arm of the Law	DUSUK	GELIRLI	FILM

Ouery Result X	
P ♣ ₩ SQL All Rows Fetched: 358 in 0,267 seconds	
♦ NAME	∯ GENRES ∯ TÜR
Sleuth	Music Müz
2 The French Connection	Music Müz
3 The Story of the Weeping Camel	Music Müz
4 Ghost Rider	Music Müz
5 Lovers of the Arctic Circle	Music Müz
6 Anna and the King	Music Müz
⁷ Mongolian Ping Pong	Music Müz
8 Teenage Mutant Ninja Turtles III	Music Müz
9 Spy Game	Music Müz
10 Meet the Parents	Music Müz
11 The Double Life of Véronique	Music Müz
12 Praxis Dr. Hasenbein	Music Müz
13 Ray	Music Müz
¹⁴ Mothra vs. Godzilla	Music Müz
15 Hostel: Part II	Music Müz
16 Grave Decisions	Music Müz
17 West Side Story	Music Müz
18 The Mummy Returns	Music Müz
19 Next	Music Müz
Naked	Music Müz
21 The Dark	Music Müz



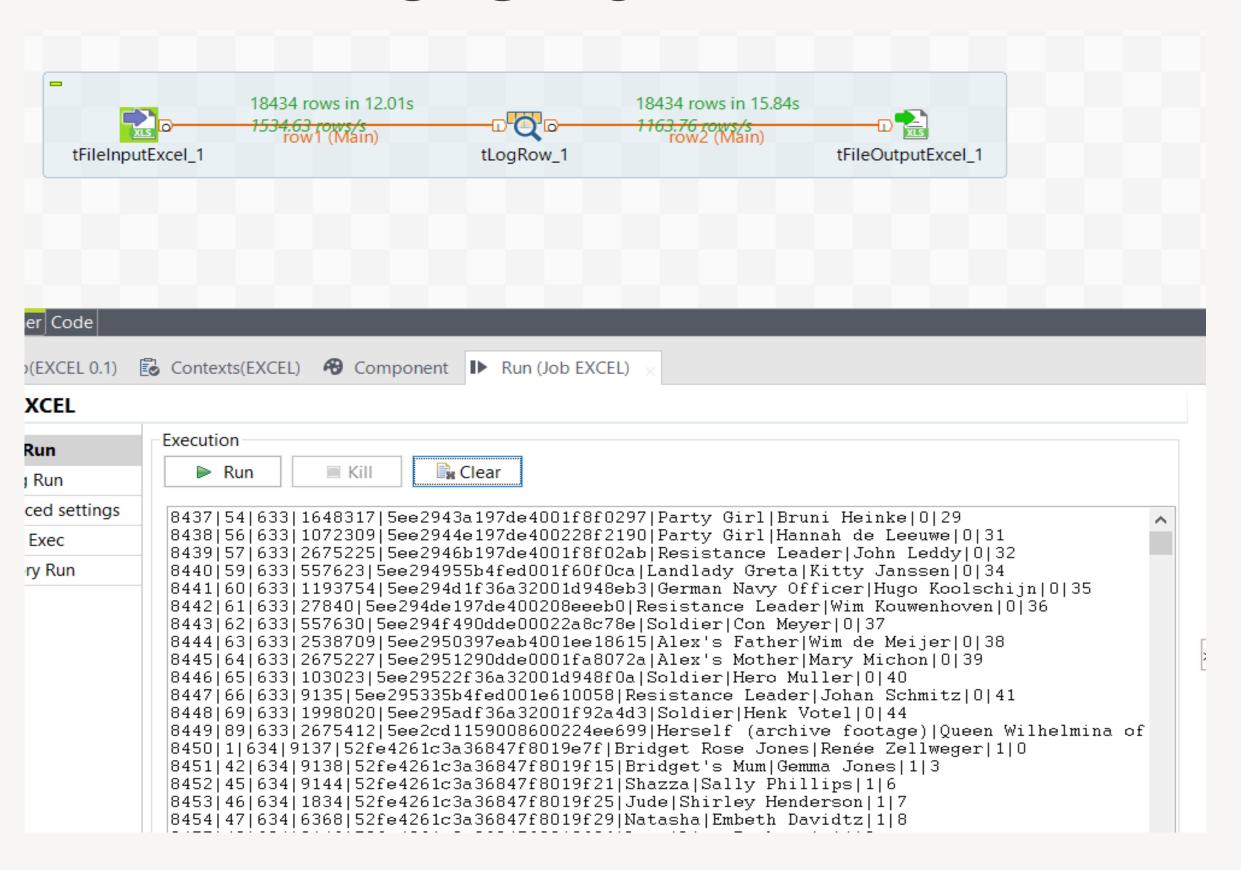


IF conditions

Ortalama hasılat







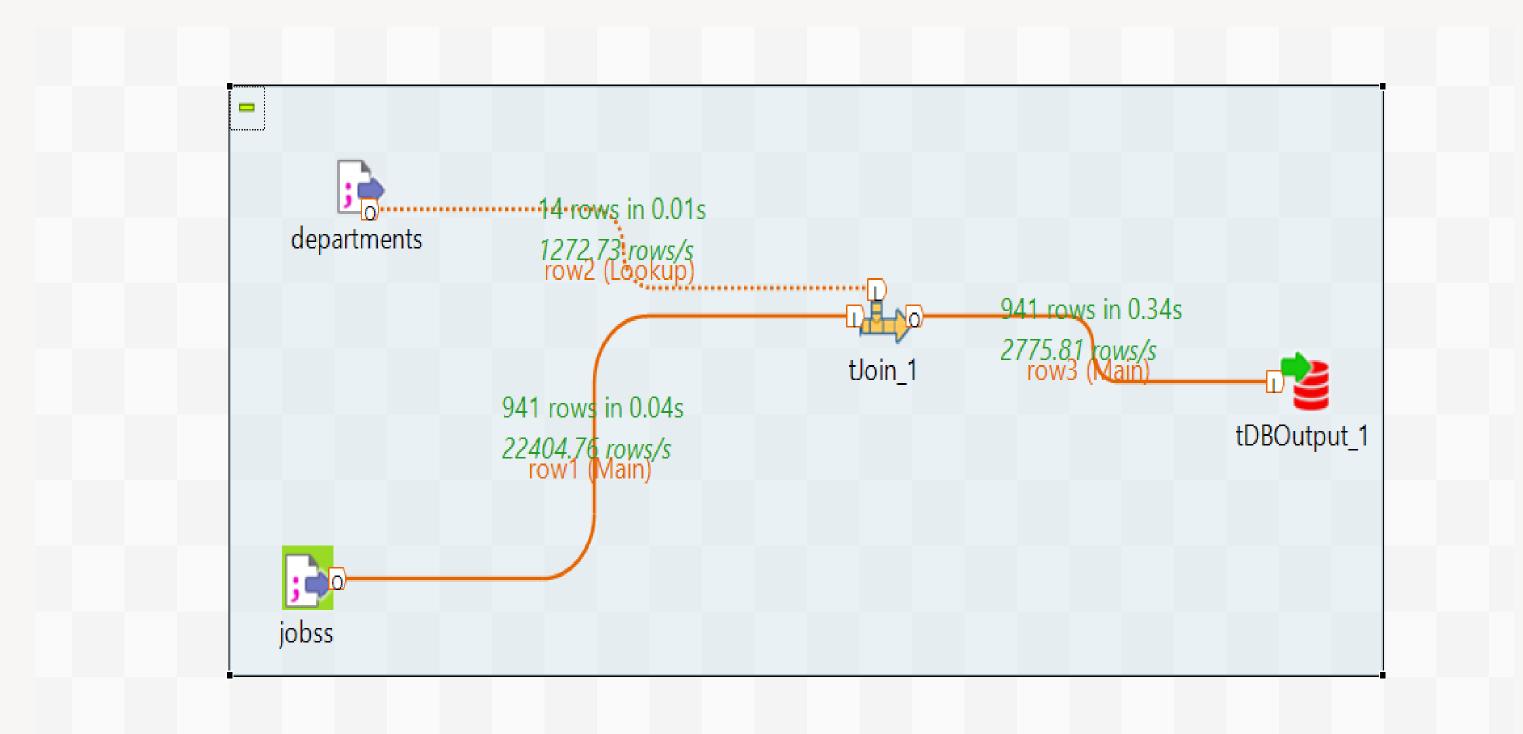




	MOVIE	row i (Main)
ner Code		
b(db_write_read		rexts(db_write_read) Component × I Run (Job db_write_read)
IOVIEDB(tD	BOutput_1)(Oracle)
settings	Database	Oracle V Apply
nced settings	Property Type	Repository V DB (ORACLE_SID):MOVIEDB
mic settings	Use an exist	ing connection
	Connection Ty	pe Oracle SID V
mentation	DB Version	Oracle 18 and above 🗸 ₀
	Host	"localhost" Port "1521"
	Database	"xe" Oracle schema "MOVIE"
	Username	"MOVIE" ********
	Table	"ETL_CAST"
	Action on tabl	
	Schema	Built-In ✓ Edit schema — Sync columns
	□ Data source	
		aly applies when deploying and running in the Talend Runtime
	Specify a d	ata source alias
	☐ Die on erro	







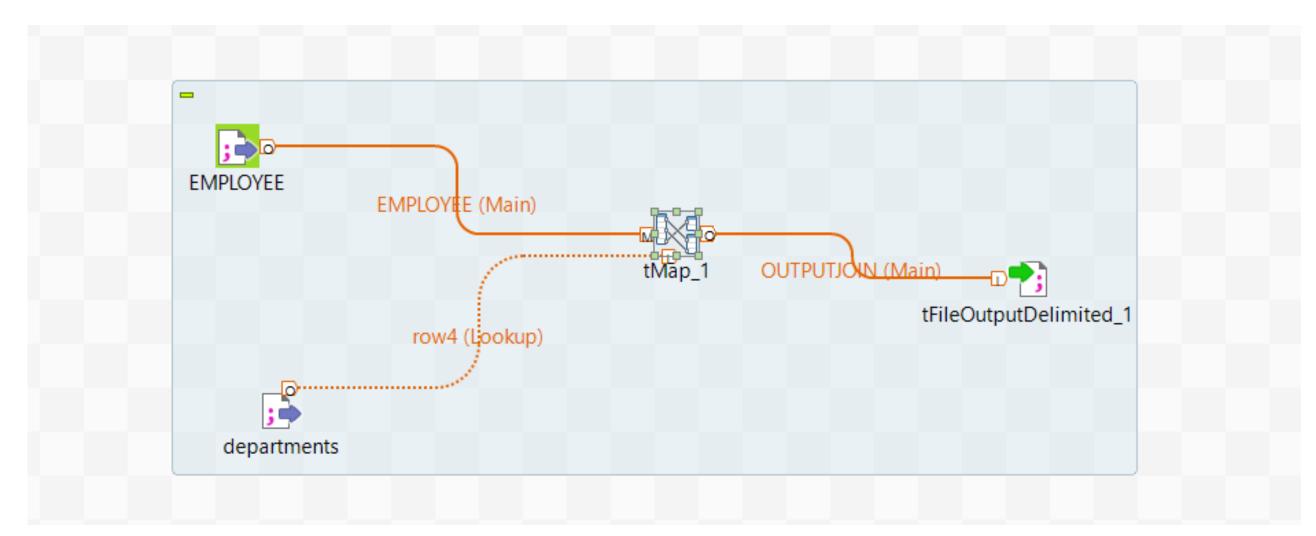




```
SELECT * FROM etl_department
```

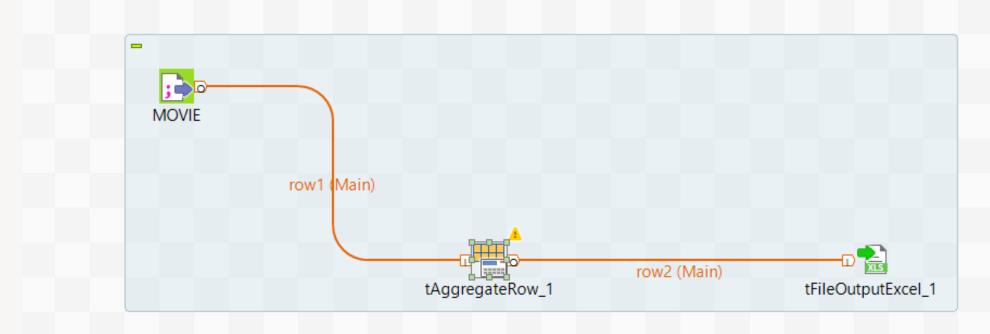
е	ry Result ^ [
4	🚱 🅦 SQL	All Rows Fetched: 941 in 0,158 seconds	
		⊕ JOB	
1	848	Visual Effects	Visual Effects
2	849	Visual Effects	Visual Effects
3	850	Visual Effects	Visual Effects
4	851	Visual Effects	Visual Effects
5	852	Visual Effects	Visual Effects
5	853	Visual Effects	Visual Effects
7	854	Visual Effects	Visual Effects
3	855	Visual Effects	Visual Effects
9	856	Visual Effects	Visual Effects
0	857	Visual Effects	Visual Effects
1	858	Visual Effects	Visual Effects
2	859	Visual Effects	Visual Effects
3	860	Visual Effects	Visual Effects
4	861	Visual Effects	Visual Effects
5	862	Visual Effects	Visual Effects







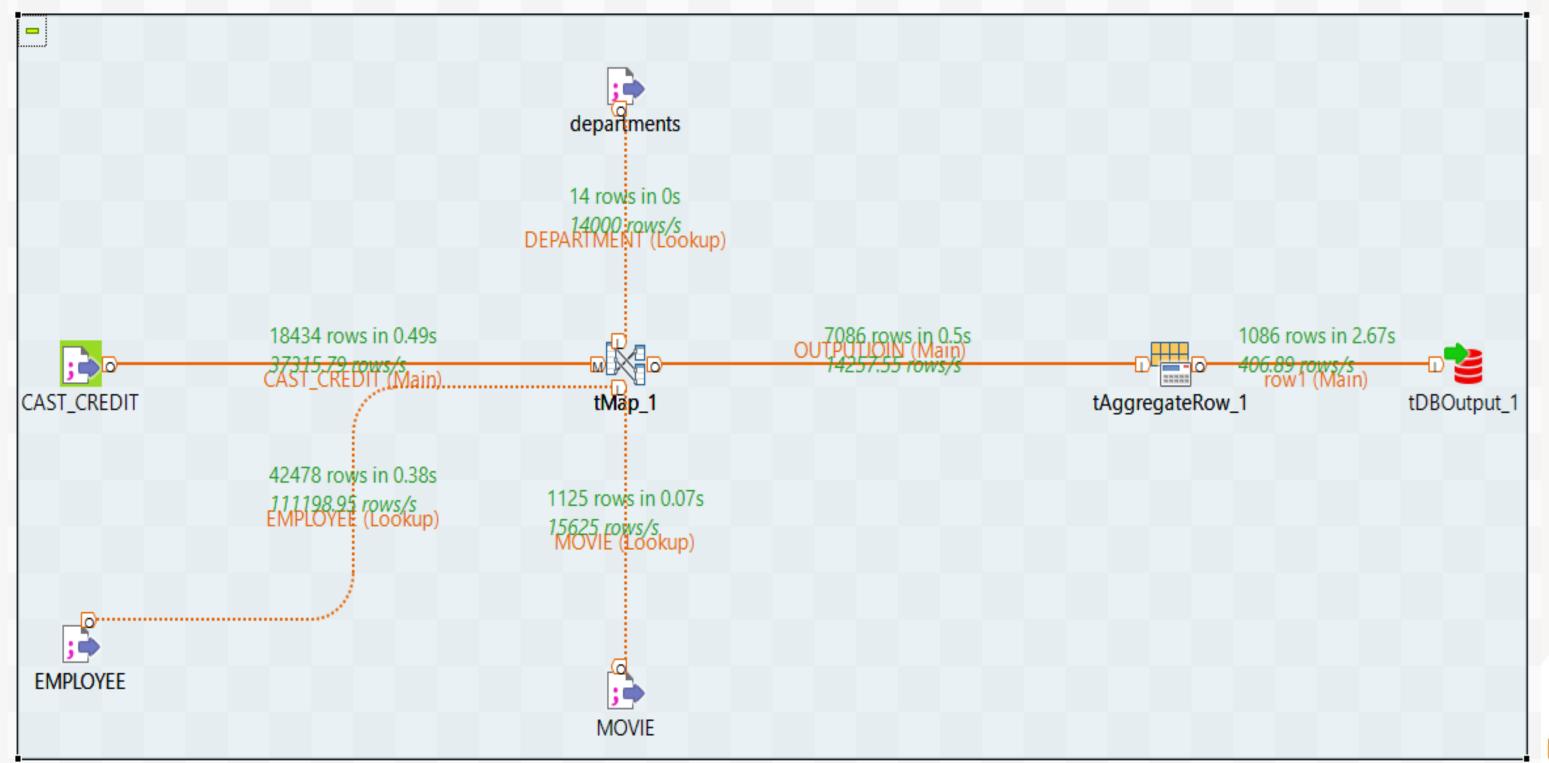




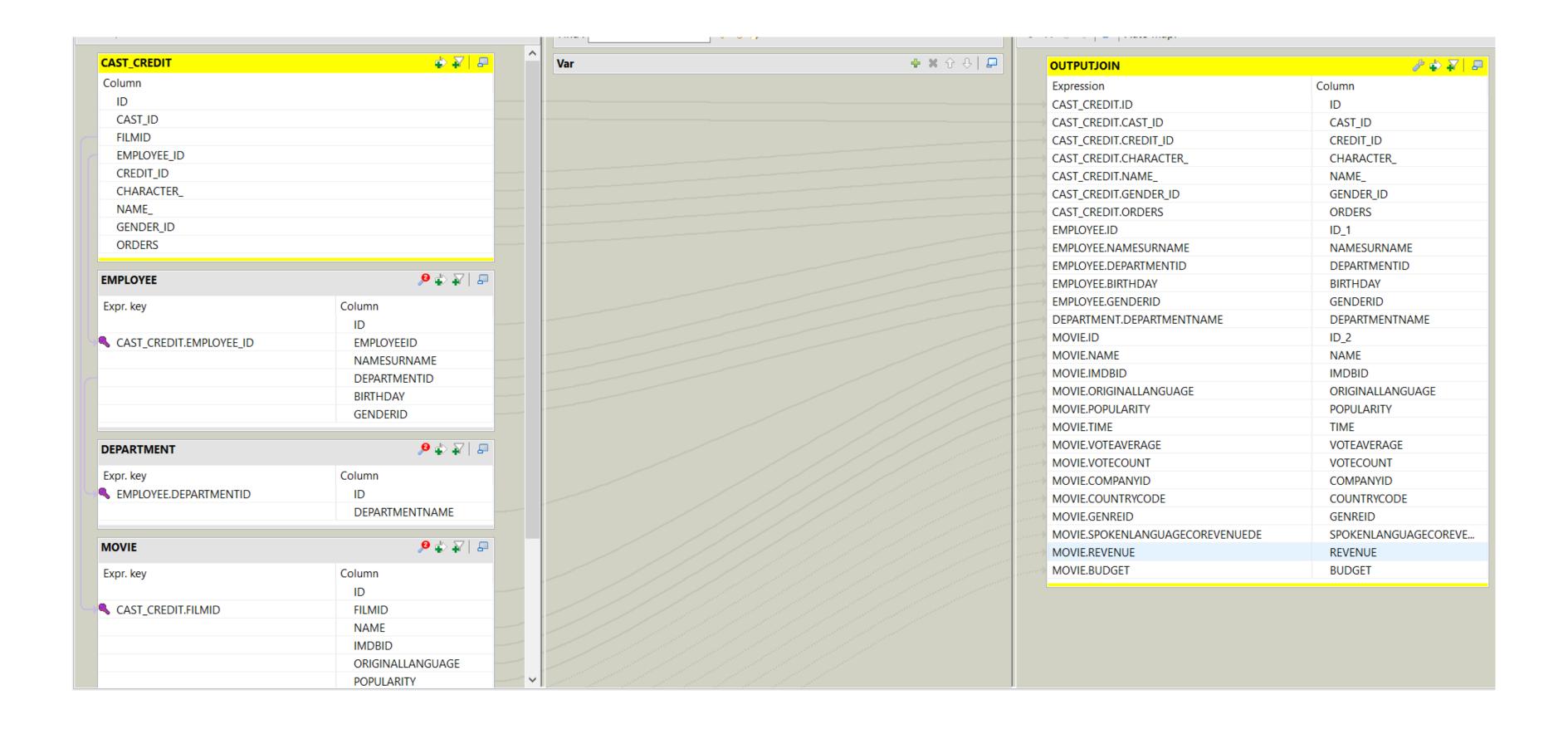
Job(AGGREGATE	_FUNCTION 0.1)	Contexts(AGGREGA	TE_FUNCTION) \varTheta Component	Run (Job AGGREGATE_FU	NCTION)			
tAggregateR	low_1							
Basic settings	ic settings Schema Built-In V Edit schema Sync columns							
Advanced settings	Group by	Output column		Input column position				
Dynamic settings		NAME		NAME				
View		REVENUEMIN		ID				
Documentation								
		+ × 0 0 1						
	Operations	Output column	Function	Input column position	☐ Ignore null values			
		REVENUEMIN	min	REVENUE	ightharpoons			
		REVENUEMAX	max	REVENUE	\checkmark			
		BUDGETAVG	avg	BUDGET	\checkmark			
		IDCOUNT	count	ID	\checkmark			

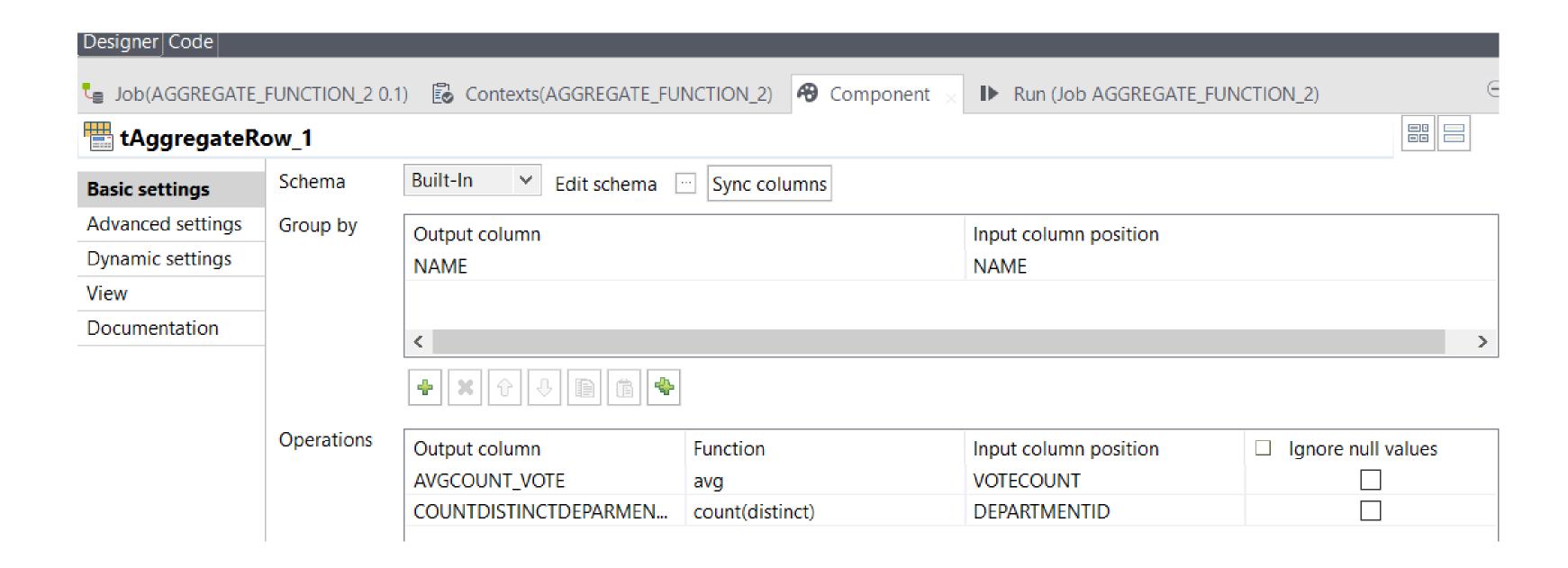








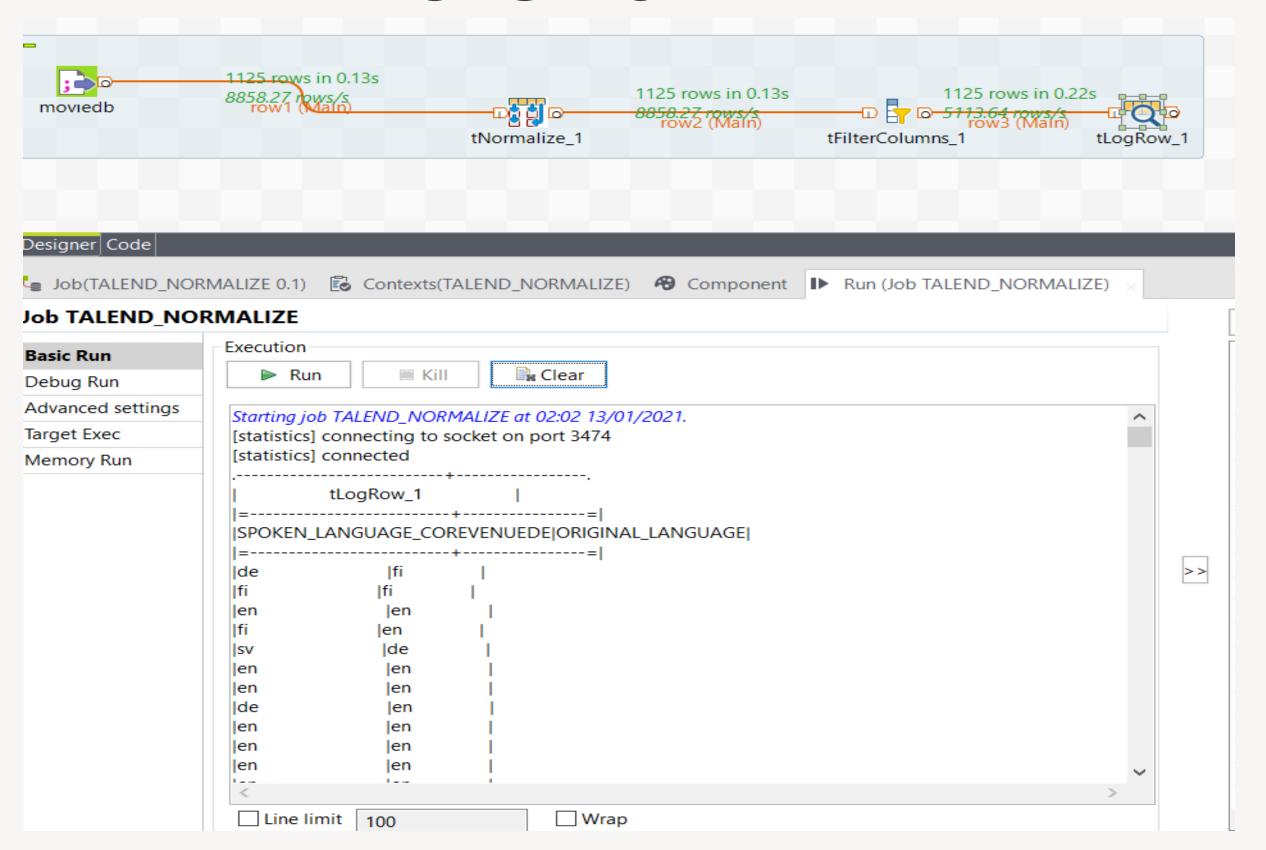




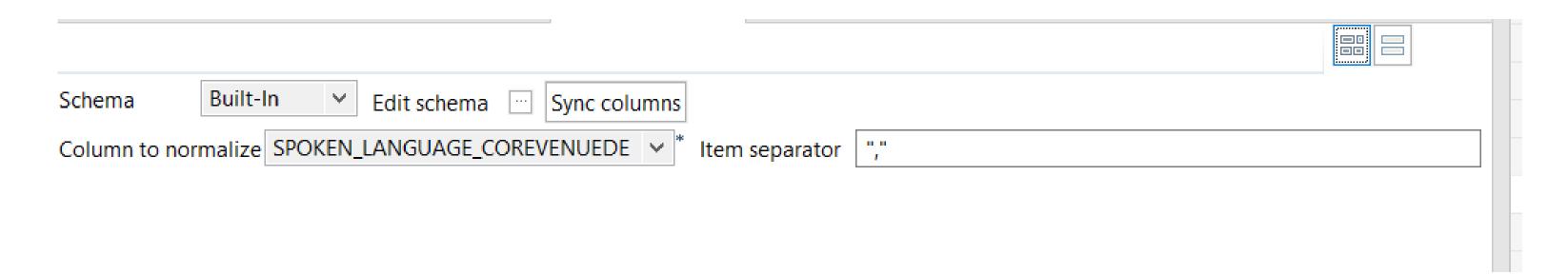
🖺 🙀 宾 SQL Fetched 50 rows in 0,011 seconds				
NAME	♦ DEPARTMENTID			
1 To Kill a Mockingbird	(null)	(null)	1	1687
Ali: Fear Eats the Soul	(null)	(null)	1	199
3 To Be or Not to Be	(null)		1	363
4 The Return of the King	(null)	(null)	1	31
5 The Hunt for Red October	(null)	(null)	1	1993
6 Armageddon	(null)	(null)	1	5487
7 Blown Away	(null)	(null)	1	294
8 The Bride of Frankenstein	(null)	(null)	1	501
9 Sleuth	(null)	(null)	1	329
10 The Man Who Knew Too Much	(null)	(null)	1	810
11 E.T. the Extra-Terrestrial	(null)	(null)	3	8090
12 La Jet□e	(null)	(null)	3	463
13 On the Waterfront	(null)	(null)	1	914
14 Wings of Desire	(null)	(null)	1	715
15 The Man Who Fell to Earth	(null)	(null)	1	304
16 Men in Black	(null)	(null)	2	9984
17 Lolita	(null)	(null)	1	1225
18 The Mummy Returns	(null)	(null)	1	4884
19 Stand by Me	(null)	(null)	1	3733
20 Willow	(null)	(null)	1	1104
21 Next	(null)	(null)	1	1995
22 Tough Enough	(null)	(null)	1	32
23 The Beat That My Heart Skipped	(null)	(null)	1	264
24 Volver	(null)	(null)	1	1039
25 Dances with Wolves	(null)	(null)	1	267
26 Match Point	(null)	(null)	1	2820
27 In My Father's Den	(null)	(null)	1	5.5
28 The Lord of the Rings: The Return of the King	(null)			1637
29 Snatch	(null)			605
30 Mary Poppins	(null)			336
31 The King of Comedy	(null)			125
32 Spv Game	(null)			129

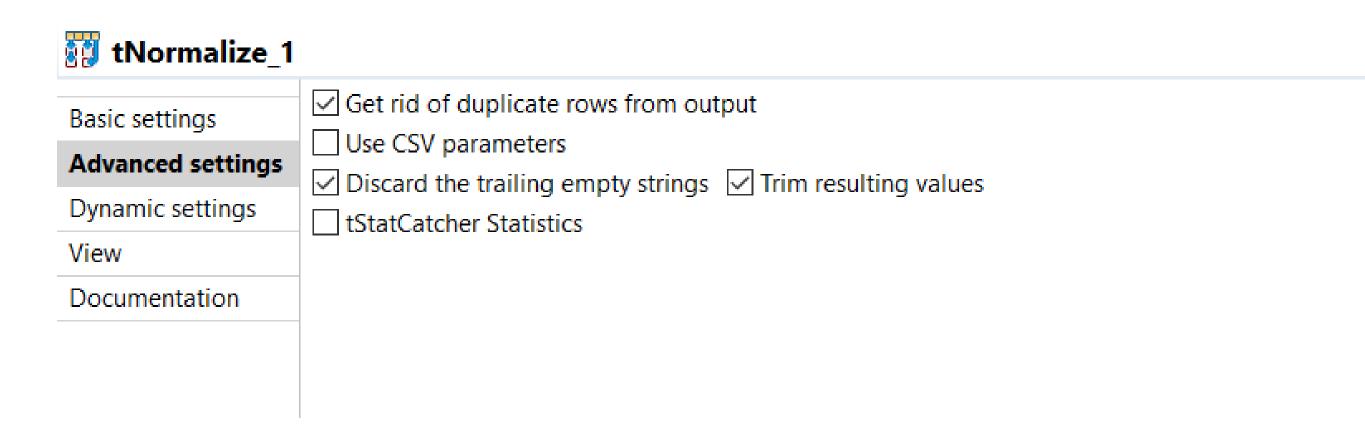














Teşekkürler..





Can

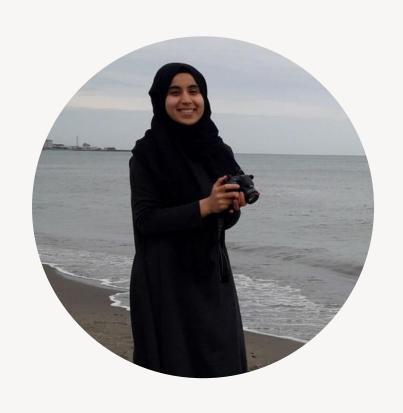
Akşit



Tuğçe Süslü Melisa Sökmen



PROJE EKIBI









Melek LAÇİN Özge ÖZCAN

Rukiye DEMİRCİ Şule KAYA

