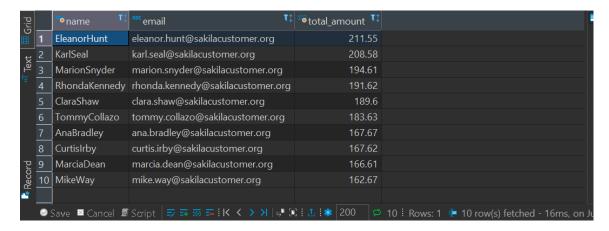
Topic 17 – Assignment

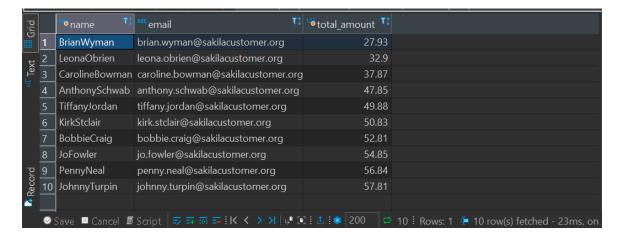
1. the top 10 customers and their emails

```
select concat(customer.first_name,'', customer.last_name) as name,
customer.email, sum(amount) as total_amount
from customer
join payment using (customer_id)
group by 1, 2
order by 3 desc
limit 10;
```



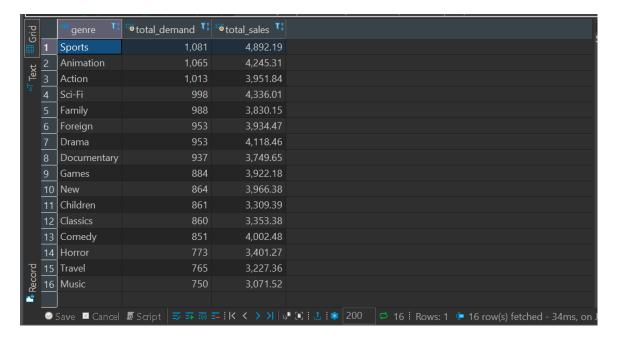
2. the bottom 10 customers and their emails

```
select concat(customer.first_name,'', customer.last_name) as name,
customer.email, sum(amount) as total_amount
from customer
join payment using (customer_id)
group by 1, 2
order by 3 asc
limit 10;
```



3. the most profitable movie genres (ratings)

```
select category.name as genre, count(customer.customer_id) as total_demand,
sum(payment.amount) as total_sales
from category
join film_category using(category_id)
join film using(film_id)
join inventory using(film_id)
join rental using(inventory_id)
join customer using(customer_id)
join payment using(rental_id)
group by genre
order by total_demand desc;
```



4. rented movies were returned late, early, and on time



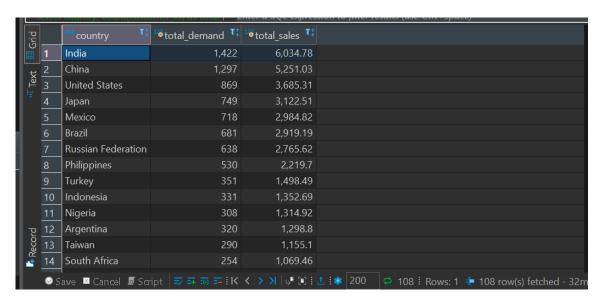
5. The customer base in the countries where we have a presence

```
select country, sum(customer.customer_id) as total_customer
from country
join city using(country_id)
join address using (city_id)
join customer using (address_id)
group by country
order by total_customer desc;
```

rid		country T:	¹ total_customer ₹
⊞ Grid	1	China	18,390
ŧ	2	India	16,116
^r Text	3	Mexico	11,251
\$ []	4	United States	9,361
	5	Japan	8,873
	6	Russian Federation	7,746
	7	Brazil	7,739
	8	Philippines	6,242
	9	Indonesia	5,275
	10	Turkey	4,838
	11	Argentina	4,219
<u>5</u>	12	Poland	3,298
- Record	13	Nigeria	3,135
**	14	United Kingdom	3,120

6. The most profitable country for the business

```
select country, count(customer_id) as total_demand, sum(amount) as total_sales
from country
join city using(country_id)
join address using(city_id)
join customer using(address_id)
join payment using (customer_id)
group by 1
order by 3 desc;
```



7. The average rental rate per movie genre (rating)

```
select category.name, round(avg(film.rental_rate), 2) as avarage
from film
join film_category using (film_id)
join category using (category_id)
group by 1
order by 2 desc
```

irid		name 👣	¹⁷⁶ avarage ^{▼‡}
⊞Grid	1	Games	3.25
¥		Travel	3.24
 e		Sci-Fi	3.22
1 0	4	Comedy	3.16
		Sports	3.13
		New	3.12
	7	Foreign	3.1
	8	Horror	3.03
	9	Drama	3.02
	10	Music	2.95
	11	Children	2.89
			2.81
	13	Family	2.76
	14	Classics	2.74
	15	Documentary	2.67
ecord	16	Action	2.65
ĕ			