Course: Databases 10 Apr 2022

Assignment

Task 1

```
SELECT DISTINCT customer."customer_id", customer."store_id",
customer."first_name", customer."last_name", customer."email",
customer."address_id", customer."activebool", customer."create_date",
customer."last_update", customer."active"
FROM "customer" JOIN "rental" ON rental."customer_id" = customer."customer_id"

JOIN "inventory" ON inventory."inventory_id" = rental."inventory_id"

JOIN "film" ON film."film_id" = inventory."film_id" WHERE "replacement_cost" = 14
```

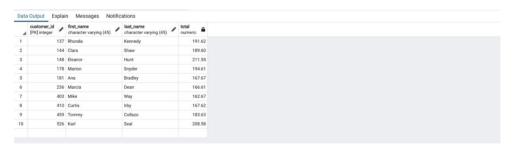
Task 2

```
SELECT customer."customer_id", customer."store_id",
customer."first_name", customer."last_name", customer."email",
customer."address_id", customer."activebool", customer."create_date",
customer."last_update", customer."activebool", customer."create_date",
customer."last_update", customer."active", payment_join.total
FROM "customer" JOIN (SELECT customer_id, SUM(amount) as total
FROM "payment" GROUP BY "customer_id") payment_join
ON payment_join.customer_id = customer.customer_id
JOIN "rental" ON rental."customer_id" = customer."customer_id"
JOIN "payment" ON payment."rental_id" = rental."rental_id"
JOIN "inventory" ON inventory."inventory_id" = rental."inventory_id" JOIN "film"
ON film."film_id" = inventory."film_id"
WHERE "replacement_cost" = 14 OR (payment.amount > 2.99 AND total < 5)

Data Output Explain Messages Notifications

JOIN Text_name total first_name total first_name that customer_add of the colored for the colored of the col
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Task 3



Task 4

```
SELECT COUNT(CASE WHEN "rental_date" < "return_date" THEN 1 END)
as LATE, COUNT(CASE WHEN "rental_date" = "return_date" THEN 1 END)
as ON_TIME, COUNT(CASE WHEN "return_date" is null THEN 1 END)
as HAVE_NOT_BEEN_RETURNED FROM "rental"
```