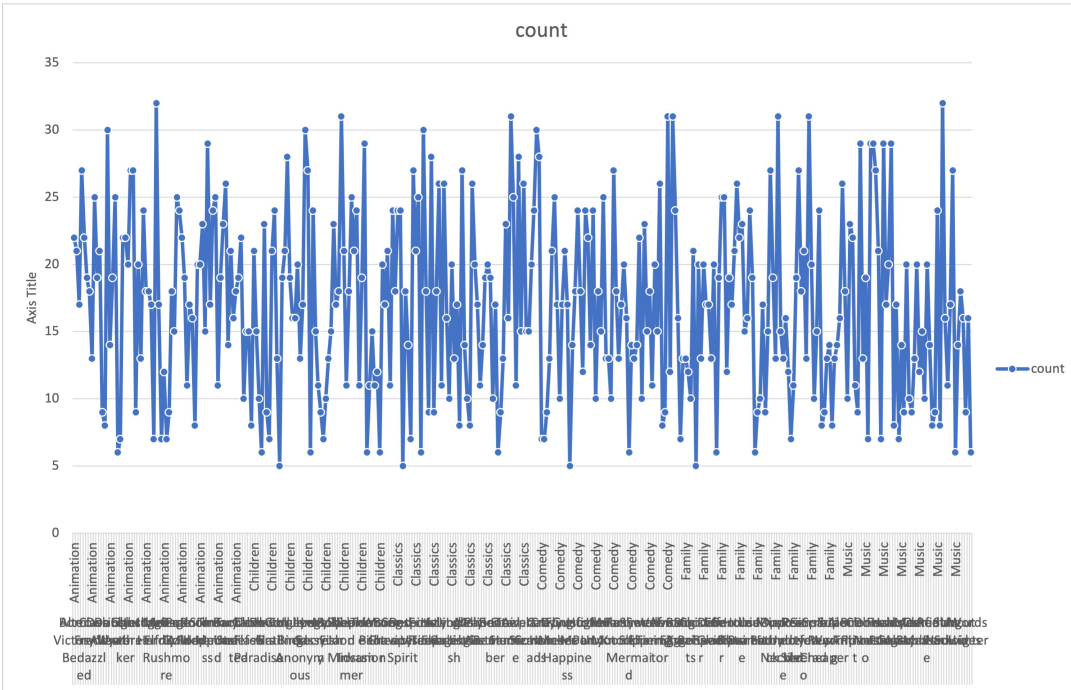


- Project one
- Ruba bin dail

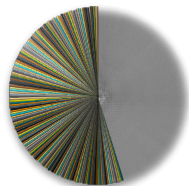
create a query show film title and category and rental count of each movies



```
SELECT f.title, c.name,
COUNT(r.rental_id)
FROM film_category fc
JOIN category c
ON c.category_id = fc.category_id
JOIN film f
ON f.film_id = fc.film_id
JOIN inventory i
ON i.film_id = f.film_id
JOIN rental r
ON r.inventory_id = i.inventory_id
WHERE c.name IN ('Animation',
'Children', 'Classics', 'Comedy',
'Family', 'Music')
GROUP BY 1, 2
ORDER BY 2, 1
```

write query provide a table with the movie titles and divide them into 4 levels (first_quarter, second_quarter, third_quarter, and final_quarter) based on the quartiles (25%, 50%, 75%) of the rental duration for movies across all categories?

rental_duration



- | | |
|---------------------------------|-----------------------------|
| ■ Sweethearts Suspects Children | ■ Go Purple Music |
| ■ Bilko Anonymous Family | ■ Wait Cider Animation |
| ■ Daughter Madigan Children | ■ Turn Star Animation |
| ■ Rush Goodfellas Family | ■ King Evolution Family |
| ■ Tracy Cider Animation | ■ Wisdom Worker Comedy |
| ■ Telegraph Voyage Music | ■ Miracle Virtual Animation |
| ■ Jerk Paycheck Classics | ■ Doors President Animation |
| ■ Gables Metropolis Family | ■ Jeopardy Encino Classics |

```
SELECT f.title, c.name, f.rental_duration, NTILE(4) OVER
(ORDER BY f.rental_duration) AS standard_quartile

FROM film_category fc

JOIN category c

ON c.category_id = fc.category_id

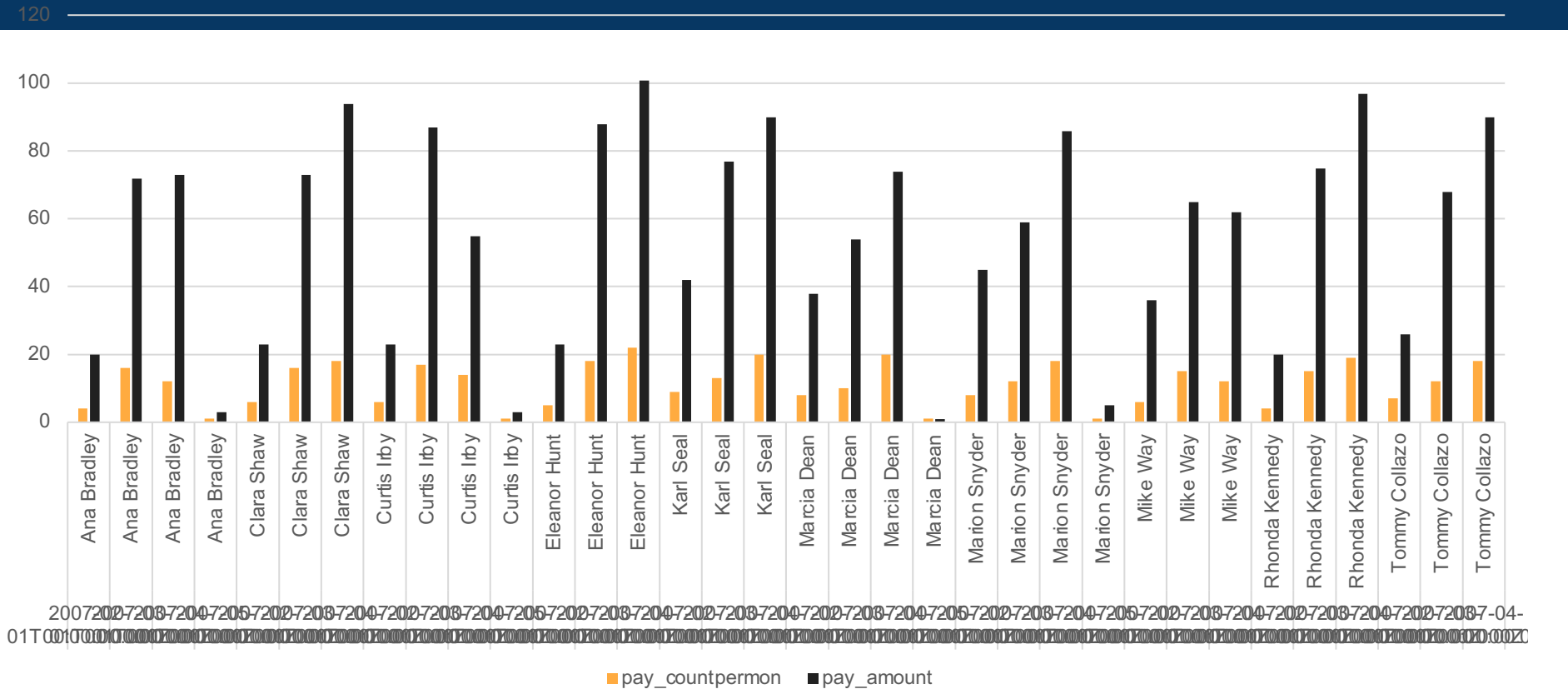
JOIN film f

ON f.film_id = fc.film_id

WHERE c.name IN ('Animation', 'Children', 'Classics',
'Comedy', 'Family', 'Music')

ORDER BY 3
```

We would like to know who were our top 10 paying customers, how many payments they made on a monthly basis during 2007, and what was the amount of the monthly payments. **Can you write a query to capture the customer name, month and year of payment, and total payment amount for each month by these top 10 paying customers?**



provide a table with the family-friendly film category, each of the quartiles, and the corresponding count of movies within each combination of film category for each corresponding rental duration category. The resulting table should have three columns:

Category
Rental length category
Count

