

SQL Intro - Part 2 - Homework assignment

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Question 1

Let's look at the table *tutorial.nominee_filmography*, what does it tell us?

1. Write a query that shows top 10 actresses/actors that have the highest average rating.

```
select name, avg(rating) as ave_rating
from tutorial.nominee_filmography
where rating is not NULL
group by name
order by ave_rating desc
limit 10
```

2. Write a query that shows names of the actors whose average rating is between 6 and 6.5.

```
select name, avg(rating) as ave_rating
from tutorial.nominee_filmography
where rating is not NULL
group by name
having avg(rating) between 6 and 6.5
```

3. Choose 3-4 of your favorite actors/actresses to check what their MAX, MIN and AVG rating is.

```
select name, avg(rating) , max(rating), min(rating)
from tutorial.nominee_filmography
where rating is not NULL
group by name
having name ilike '%Johnny depp%'
or name ilike '%Maggie Smith%'
or name ilike '%Samuel%jackson%'
or name ilike '%Christian Bale%'
```

Question 2

Write a query that joins benn.college_football_players and benn.college_football_teams to then display player names, school names and conferences for schools in the "FBS (Division I-A Teams)" division.

```
select p.player_name, p.school_name, t.conference, t.division
from benn.college_football_players as p
left join benn.college_football_teams as t
on p.school_name = t.school_name
where division like 'FBS (Division I-A Teams)'
```

Question 3

Let's go back to The Office.

Check the tutorial.dunder_mifflin_paper_sales table. Now that you know the GROUP BY clause, write a query showing the performance numbers of all account managers.

Using a comment block argue a case on who's the best and who's the worst performing one based on attributes of your own choosing.

```
select account_manager,  
sum(price * quantity) as total_sales,  
sum(discount) as total_discount,  
sum(shipping_cost) as total_shipping,  
(sum(price * quantity) - sum(discount) - sum(shipping_cost)) as  
revenue  
from tutorial.dunder_mifflin_paper_sales  
group by account_manager  
order by revenue desc  
  
-- I defined revenue as the total sales (price x quantity)  
-- minus discounts and shipping.  
-- and based on total revenue, the best account manager  
-- is Dwight Schrute while the worst is Pam Beesly
```