

SQL ASSIGNMENT-1

Name:Krithika Jagannath

Q1) Do we have actors in the actor table that share the full name and if yes display those shared names

Ans:

```
1 SELECT
2   first_name,
3   last_name,
4   (first_name, last_name)
5 FROM actor a;
```

	first_name character varying (45)	last_name character varying (45)	row record
1	Penelope	Guinness	(Penelope,...
2	Nick	Wahlberg	(Nick,Wahl...
3	Ed	Chase	(Ed,Chase)
4	Jennifer	Davis	(Jennifer,...
5	Johnny	Lollobrigida	(Johnny,L...
6	Bette	Nicholson	(Bette,Nic...
7	Grace	Mostel	(Grace,Mo...
8	Matthew	Johansson	(Matthew,...
9	Joe	Swank	(Joe,Swan...
10	Christian	Gable	(Christian,...

Q2) Return the customer IDs of customers who have spent at least \$110 with the staff member who has an ID of 2.

Ans:

```
1 SELECT staff_id ,customer_id , SUM(amount)
2 FROM payment
3 WHERE staff_id = 2
4 GROUP BY customer_id, staff_id
5 HAVING SUM(amount) >= 110;
6
```

	staff_id smallint	customer_id smallint	sum numeric
1	2	187	110.81
2	2	148	110.78

Q3) How many films begin with the letter J?

```
1 SELECT COUNT(*) FROM film
2 WHERE title LIKE 'J%';
```

	count bigint
1	20

Ans:

Q4) What customer has the highest customer ID number whose name starts with an 'E' and has an address ID lower than 500?

Ans:

```
1 SELECT customer_id, first_name, last_name, address_id
2 FROM customer
3 WHERE address_id <500 AND first_name LIKE 'E%'
4 ORDER BY customer_id DESC;
```

	customer_id [PK] integer	first_name character varying (45)	last_name character varying (45)	address_id smallint
1	434	Eddie	Tomlin	439
2	432	Edwin	Burk	437
3	396	Earl	Shanks	401
4	384	Ernest	Stepp	389
5	378	Eugene	Culpepper	383
6	331	Eric	Robert	336
7	317	Edward	Baugh	322
8	298	Erika	Pena	303
9	210	Ella	Oliver	214
10	205	Eileen	Carr	209
11	198	Elsie	Kelley	202
12	169	Erica	Matthews	173

Q5) How many films have the word Truman somewhere in the title?

Ans:

```
1 SELECT COUNT(*) FROM film
2 WHERE title LIKE '%Truman%';
```

	count bigint
1	5

Q6) Display the total amount paid by all customers in the payment table.

Ans:

```
1 SELECT SUM(amount)
2 from payment;
```

	sum numeric
1	61312.04

Q7) Display the total amount paid by each customer in the payment table.

Ans:

Query Editor		Query History	
1	SELECT	customer_id ,SUM(amount)	
2	from	payment	
3	GROUP BY	customer_id	
4	ORDER BY	customer_id;	

Data Output		Explain	Messages	Notifications
	customer_id smallint	sum numeric		
1	1	114.70		
2	2	123.74		
3	3	130.76		
4	4	81.78		
5	5	134.65		
6	6	84.75		
7	7	130.72		
8	8	85.77		
9	9	78.80		
10	10	94.76		
11	11	99.77		
12	12	93.74		

Q8) What is the highest total_payment done.

Ans:

1	SELECT	SUM(amount) as total_payments	
2	from	payment	
3	GROUP BY	customer_id	
4	ORDER BY	SUM(amount) DESC	
5	LIMIT	1;	

Data Output		Explain	Messages	Notifications
	total_payments numeric			
1	211.55			

Q9) Which customers have not rented any movies so far.



Ans:

1	SELECT	customer_id	
2	from	customer	
3	where	customer_id NOT IN	
4	(SELECT DISTINCT	customer_id	
5	FROM	rental);	
6			
7	SELECT	first_name,last_name	
8	FROM	customer	
9	where	customer_id NOT IN	
10	(SELECT distinct	customer_id	
11	FROM	rental);	

Data Output		Explain	Messages	Notifications
	first_name character varying (45)	last_name character varying (45)		

Q10) How many payment transactions were greater than \$5.00?

Ans:

Query Editor		Query History		
1	SELECT COUNT (amount) FROM PAYMENT			
2	WHERE amount>5;			
Data Output		Explain	Messages	Notifications
	count bigint			
1	3618			