

Horoscope Hub: A Zodiac Sign & Planetary Database Using SQL

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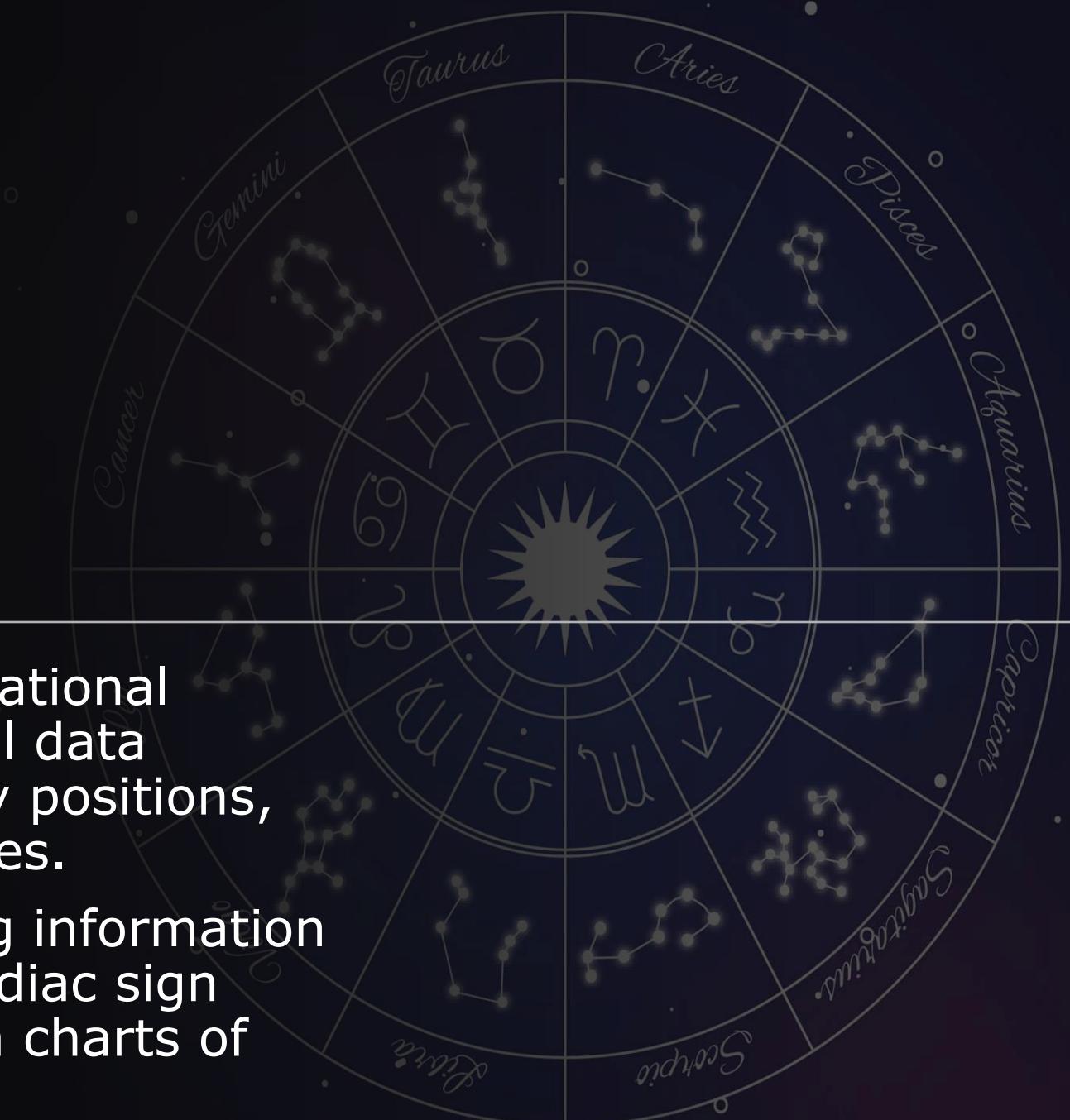
Abstract

- This project, **Horoscope Hub: A Zodiac Sign & Planetary Database** presents a comprehensive relational database designed to explore astrological patterns, including zodiac signs, planetary positions, birth charts, and horoscopes.
- Utilizing SQL for efficient data storage and retrieval, the system enables users to analyse celestial movements, generate personalized horoscopes, and investigate astrological insights.
- The database schema models real-world astrology, linking planets and zodiac signs with personalized birth charts and daily predictions, offering a robust tool for astrological data analysis and exploration.
- This project merges traditional astrology with modern data science to provide valuable insights from the cosmos.



Project Overview

- This project aims to create a relational database that stores astrological data including zodiac signs, planetary positions, birth charts, and daily horoscopes.
- The database will allow querying information about planetary movements, zodiac sign traits, horoscopes, and the birth charts of individuals.



Entities and Attributes

Entities

- Zodiac Sign
- Planet
- Planetary Position
- Birth Chart
- Horoscope

Attributes

- Each entity has specific attributes (columns), and each entity will be related to others through foreign key relationships.

Functionality:

Zodiac Sign Data Lookup:

- Retrieve detailed information about each zodiac sign, including its name, date range, element, modality, and ruling planet.

2. Planetary Position Tracking:

- Store and query the positions of planets in different zodiac signs on specific dates, including degrees and retrograde status.

3. Birth Chart Generation:

- Generate personalized birth charts based on user-provided birth date, place, and time, displaying sun, moon, and ascendant signs.

4. Astrological Data Analysis:

- Fetch daily, monthly, or yearly horoscope predictions for each zodiac sign, categorized into areas like love, career, and health.

5. Horoscope Retrieval :

- Perform SQL-based queries to analyse trends, such as the influence of planetary retrogrades or zodiac sign characteristics across birth charts.

Database name - Horoscope_HubDB

Table name corresponding to the schemas:

- Zodiac_Sign**
- Planet**
- Planetary_Position**
- Birth_Chart**
- Horoscope**

- Suppose I want to see tables in horoscope_hubdb database.

Syntax : SHOW tables;

Result Grid		Filter Rows:
Tables_in_horoscope_hubdb		
▶	birth_chart	
	horoscope	
	planet	
	planetary_position	
	zodiac_sign	

ER-Diagram for Horoscope Hub: A Zodiac Sign & Planetary Database

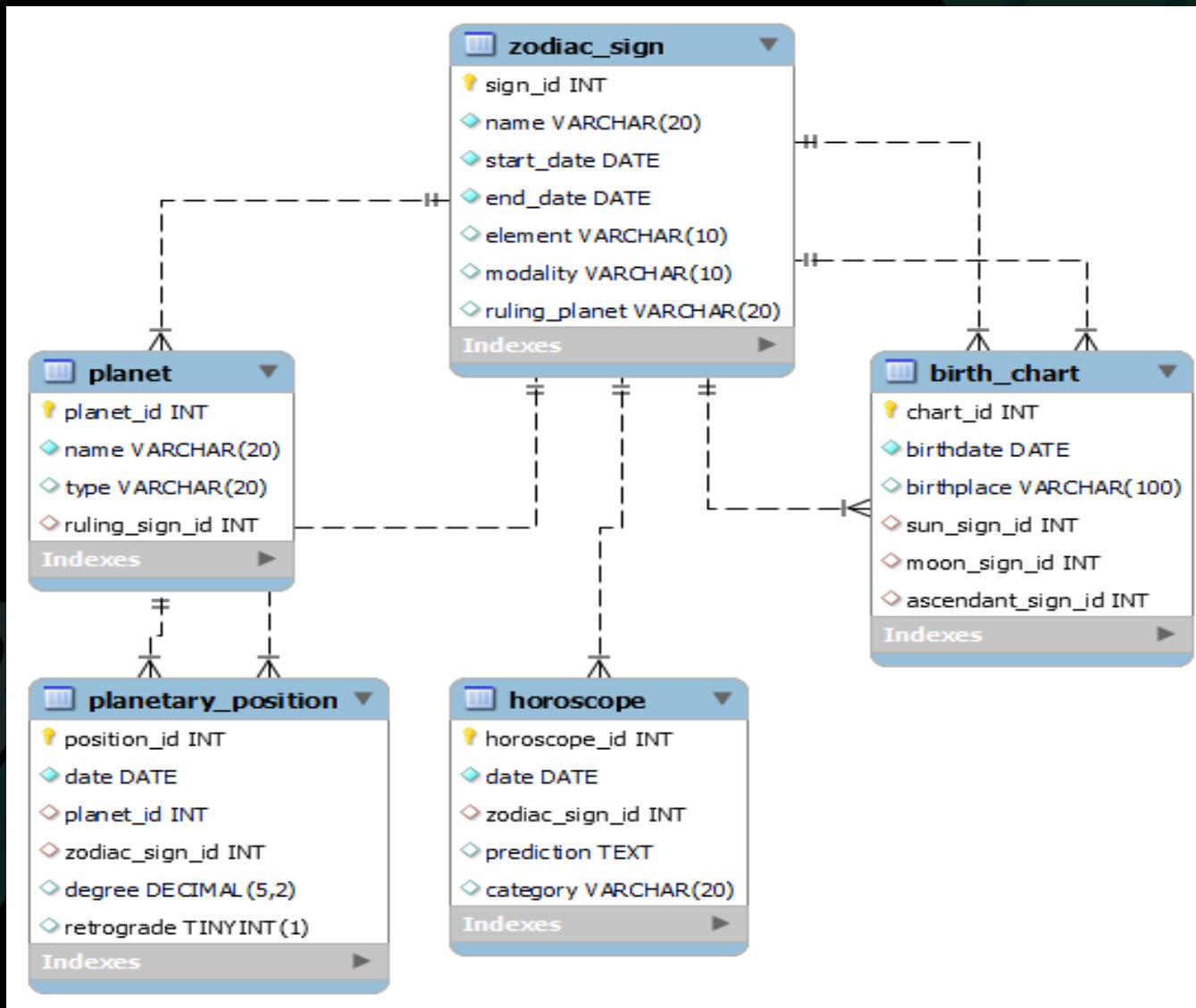


Table Description

1. Zodiac_Sign:

Field	Type	Null	Key	Default	Extra
sign_id	int	NO	PRI	NULL	auto_increment
name	varchar(20)	NO		NULL	
start_date	date	NO		NULL	
end_date	date	NO		NULL	
element	varchar(10)	YES		NULL	
modality	varchar(10)	YES		NULL	
ruling_planet	varchar(20)	YES		NULL	

2. Planet

Field	Type	Null	Key	Default	Extra
planet_id	int	NO	PRI	NULL	auto_increment
name	varchar(20)	NO		NULL	
type	varchar(20)	YES		NULL	
ruling_sign_id	int	YES	MUL	NULL	

3. Planetary_Position

Field	Type	Null	Key	Default	Extra
position_id	int	NO	PRI	NULL	auto_increment
date	date	NO		NULL	
planet_id	int	YES	MUL	NULL	
zodiac_sign_id	int	YES	MUL	NULL	
degree	decimal(5,2)	YES		NULL	
retrograde	tinyint(1)	YES		NULL	

Table Description



4. Birth_Chart:

Field	Type	Null	Key	Default	Extra
chart_id	int	NO	PRI	NULL	auto_increment
birthdate	date	NO		NULL	
birthplace	varchar(100)	YES		NULL	
sun_sign_id	int	YES	MUL	NULL	
moon_sign_id	int	YES	MUL	NULL	
ascendant_sign_id	int	YES	MUL	NULL	

5. Horoscope

Field	Type	Null	Key	Default	Extra
horoscope_id	int	NO	PRI	NULL	auto_increment
date	date	NO		NULL	
zodiac_sign_id	int	YES	MUL	NULL	
prediction	text	YES		NULL	
category	varchar(20)	YES		NULL	

- **Commands:**

```
CREATE DATABASE Horoscope_HubDB;  
USE Horoscope_HubDB;
```

```
DROP DATABASE Horoscope_HubDB;
```

- **If we want to drop the tables then commands is :**

```
DROP TABLE IF EXISTS birth_chart;  
DROP TABLE IF EXISTS horoscope;  
DROP TABLE IF EXISTS planet;  
DROP TABLE IF EXISTS planetary_position;  
DROP TABLE IF EXISTS zodiac_sign;
```

- **Table for Zodiac_Sign:**

```
CREATE TABLE Zodiac_Sign (
sign_id INT PRIMARY KEY AUTO_INCREMENT,
name VARCHAR(20) NOT NULL,
start_date DATE NOT NULL,
end_date DATE NOT NULL,
element VARCHAR(10),
modality VARCHAR(10),
ruling_planet VARCHAR(20)
);
```

- **Table for Planets :**

```
CREATE TABLE Planet (
    planet_id INT PRIMARY KEY AUTO_INCREMENT,
    name VARCHAR(20) NOT NULL,
    type VARCHAR(20),
    ruling_sign_id INT,
    FOREIGN KEY (ruling_sign_id) REFERENCES Zodiac_Sign(sign_id)
);
```

- **Table for Planetary_Position :**

```
CREATE TABLE Planetary_Position (
position_id INT PRIMARY KEY AUTO_INCREMENT,
date DATE NOT NULL,
planet_id INT,
zodiac_sign_id INT,
degree DECIMAL(5,2),
retrograde BOOLEAN,
FOREIGN KEY (planet_id) REFERENCES Planet(planet_id),
FOREIGN KEY (zodiac_sign_id) REFERENCES Zodiac_Sign(sign_id)
);
```

- **Table for Birth_Chart :**

```
CREATE TABLE Birth_Chart (
    chart_id INT PRIMARY KEY AUTO_INCREMENT,
    birthdate DATE NOT NULL,
    birthplace VARCHAR(100),
    sun_sign_id INT,
    moon_sign_id INT,
    ascendant_sign_id INT,
    FOREIGN KEY (sun_sign_id) REFERENCES Zodiac_Sign(sign_id),
    FOREIGN KEY (moon_sign_id) REFERENCES Zodiac_Sign(sign_id),
    FOREIGN KEY (ascendant_sign_id) REFERENCES Zodiac_Sign(sign_id)
);
```

- o **Table for Horoscope :**

```
CREATE TABLE Horoscope (
    horoscope_id INT PRIMARY KEY AUTO_INCREMENT,
    date DATE NOT NULL,
    zodiac_sign_id INT,
    prediction TEXT,
    category VARCHAR(20),
    FOREIGN KEY (zodiac_sign_id) REFERENCES Zodiac_Sign(sign_id)
);
```

- Insert value for **Zodiac_Signs**:

```
INSERT INTO Zodiac_Sign (name, start_date, end_date, element, modality,  
ruling_planet)
```

```
VALUES -- sign_id is in AUTO_INCREMENT --
```

```
('Aries', '2023-03-21', '2023-04-19', 'Fire', 'Cardinal', 'Mars'),  
(('Taurus', '2023-04-20', '2023-05-20', 'Earth', 'Fixed', 'Venus'),  
(('Gemini', '2023-05-21', '2023-06-20', 'Air', 'Mutable', 'Mercury'),  
(('Cancer', '2023-06-21', '2023-07-22', 'Water', 'Cardinal', 'Moon'),  
(('Leo', '2023-07-23', '2023-08-22', 'Fire', 'Fixed', 'Sun'),  
(('Virgo', '2023-08-23', '2023-09-22', 'Earth', 'Mutable', 'Mercury'),  
(('Libra', '2023-09-23', '2023-10-22', 'Air', 'Cardinal', 'Venus'),  
(('Scorpio', '2023-10-23', '2023-11-21', 'Water', 'Fixed', 'Pluto'),  
(('Sagittarius', '2023-11-22', '2023-12-21', 'Fire', 'Mutable', 'Jupiter'),  
(('Capricorn', '2023-12-22', '2024-01-19', 'Earth', 'Cardinal', 'Saturn'),  
(('Aquarius', '2023-01-20', '2023-02-18', 'Air', 'Fixed', 'Uranus'),  
(('Pisces', '2023-02-19', '2023-03-20', 'Water', 'Mutable', 'Neptune');
```

- **Insert value for Planet:**

```
INSERT INTO Planet (name, type, ruling_sign_id)
VALUES -- planet_id is in AUTO_INCREMENT --
('Mars', 'Inner Planet', 1),
('Venus', 'Inner Planet', 2),
('Mercury', 'Inner Planet', 3),
('Moon', 'Celestial Body', 4),
('Sun', 'Outer Planet', 5),
('Pluto', 'Outer Planet', 8),
('Jupiter', 'Outer Planet', 9),
('Saturn', 'Outer Planet', 10),
('Uranus', 'Outer Planet', 11),
('Neptune', 'Outer Planet', 12),
('Earth', 'Inner Planet', NULL);
```

- **Insert value for Planetary Positions:**

```
INSERT INTO Planetary_Position (date, planet_id, zodiac_sign_id, degree, retrograde)
VALUES -- position_id is in AUTO_INCREMENT --
('2023-03-01', 1, 1, 15.2, FALSE), -- Mars in Aries at 15.2 degrees, not retrograde
('2023-04-10', 2, 2, 22.7, FALSE), -- Venus in Taurus at 22.7 degrees, not retrograde
('2023-05-15', 3, 3, 10.4, FALSE), -- Mercury in Gemini at 10.4 degrees, not retrograde
('2023-06-20', 4, 4, 18.6, TRUE), -- Moon in Cancer at 18.6 degrees, retrograde
('2023-07-12', 5, 5, 27.1, FALSE), -- Sun in Leo at 27.1 degrees, not retrograde
('2023-08-25', 6, 8, 13.5, TRUE), -- Pluto in Scorpio at 13.5 degrees, retrograde
('2023-09-30', 7, 9, 5.9, FALSE), -- Jupiter in Sagittarius at 5.9 degrees, not retrograde
('2023-10-10', 8, 10, 9.3, TRUE), -- Saturn in Capricorn at 9.3 degrees, retrograde
('2023-11-15', 9, 11, 21.4, FALSE), -- Uranus in Aquarius at 21.4 degrees, not retrograde
('2023-12-05', 10, 12, 2.1, FALSE), -- Neptune in Pisces at 2.1 degrees, not retrograde
('2023-12-15', 11, 5, 17.8, FALSE); -- Earth in Leo at 17.8 degrees, not retrograde
```

- **Insert value for Birth Chart:**

```
INSERT INTO Birth_Chart (birthdate, birthplace, sun_sign_id, moon_sign_id,  
ascendant_sign_id)  
VALUES -- chart_id is in AUTO_INCREMENT --  
('1990-03-25', 'Mumbai, India', 1, 4, 5), -- Sun in Aries, Moon in Cancer, Ascendant in Leo  
('1985-07-14', 'Delhi, India', 5, 9, 10), -- Sun in Leo, Moon in Sagittarius, Ascendant in Capricorn  
('1992-11-03', 'Bangalore, India', 8, 3, 1), -- Sun in Scorpio, Moon in Gemini, Ascendant in Aries  
('2000-01-20', 'Kolkata, India', 11, 12, 9), -- Sun in Aquarius, Moon in Pisces, Ascendant in Sagittarius  
('1995-09-05', 'Chennai, India', 6, 5, 7), -- Sun in Virgo, Moon in Leo, Ascendant in Libra  
('1988-04-12', 'Pune, India', 1, 10, 8), -- Sun in Aries, Moon in Capricorn, Ascendant in Scorpio  
('1999-02-28', 'Hyderabad, India', 12, 2, 11), -- Sun in Pisces, Moon in Taurus, Ascendant in Aquarius  
('1994-06-15', 'Ahmedabad, India', 3, 9, 6), -- Sun in Gemini, Moon in Sagittarius, Ascendant in Virgo  
('1997-12-23', 'Jaipur, India', 10, 4, 3), -- Sun in Capricorn, Moon in Cancer, Ascendant in Gemini
```

○ Insert value for Birth Chart: (continued...)

INSERT INTO Birth_Chart (birthdate, birthplace, sun_sign_id, moon_sign_id, ascendant_sign_id)

VALUES

```
('1991-10-09', 'Lucknow, India', 7, 6, 12), -- Sun in Libra, Moon in Virgo, Ascendant in Pisces
('1990-08-18', 'Patna, India', 5, 3, 2), -- Sun in Leo, Moon in Gemini, Ascendant in Taurus
('1987-11-22', 'Nagpur, India', 9, 8, 1), -- Sun in Sagittarius, Moon in Scorpio, Ascendant in Aries
('1996-05-12', 'Bhopal, India', 2, 6, 4), -- Sun in Taurus, Moon in Virgo, Ascendant in Cancer
('1989-04-30', 'Surat, India', 2, 11, 7), -- Sun in Taurus, Moon in Aquarius, Ascendant in Libra
('1994-07-27', 'Indore, India', 5, 1, 9), -- Sun in Leo, Moon in Aries, Ascendant in Sagittarius
('1998-12-05', 'Vadodara, India', 10, 2, 5), -- Sun in Capricorn, Moon in Taurus, Ascendant in Leo
('1991-06-10', 'Visakhapatnam, India', 3, 7, 11), -- Sun in Gemini, Moon in Libra, Ascendant in Aquarius
('1993-09-18', 'Rajkot, India', 6, 8, 3), -- Sun in Virgo, Moon in Scorpio, Ascendant in Gemini
('1992-02-04', 'Karnataka, India', 11, 12, 6), -- Sun in Aquarius, Moon in Pisces, Ascendant in Virgo
```

o Insert value for Birth Chart: (continued...)

INSERT INTO Birth_Chart (birthdate, birthplace, sun_sign_id, moon_sign_id, ascendant_sign_id)

VALUES

('1985-10-16', 'Amritsar, India', 7, 5, 10), -- Sun in Libra, Moon in Leo, Ascendant in Capricorn
('1995-08-23', 'Khopoli, India', 2, 1, 4), -- Sun in Taurus, Moon in Aries, Ascendant in Cancer
('1987-05-14', 'Pune, India', 1, 3, 2), -- Sun in Aries, Moon in Gemini, Ascendant in Taurus
('1974-09-17', 'Solapur, India', 4, 5, 6), -- Sun in Cancer, Moon in Leo, Ascendant in Virgo
('1988-05-25', 'Agra, India', 3, 9, 1), -- Sun in Gemini, Moon in Sagittarius, Ascendant in Aries
('1995-12-14', 'Meerut, India', 9, 5, 10), -- Sun in Sagittarius, Moon in Leo, Ascendant in Capricorn
('1999-03-30', 'Kanpur, India', 1, 12, 6), -- Sun in Aries, Moon in Pisces, Ascendant in Virgo
('1986-10-02', 'Coimbatore, India', 7, 10, 5), -- Sun in Libra, Moon in Capricorn, Ascendant in Leo
('1993-07-08', 'Nashik, India', 4, 2, 7), -- Sun in Cancer, Moon in Taurus, Ascendant in Libra

○ Insert value for Birth Chart: (continued...)

```
INSERT INTO Birth_Chart (birthdate, birthplace, sun_sign_id, moon_sign_id,  
ascendant_sign_id)
```

VALUES

```
('1997-09-19', 'Varanasi, India', 6, 6, 3),      -- Sun in Virgo, Moon in Virgo, Ascendant in Gemini  
('1992-04-06', 'Aurangabad, India', 1, 4, 8),    -- Sun in Aries, Moon in Cancer, Ascendant in Scorpio  
('1991-08-22', 'Guwahati, India', 5, 11, 9),     -- Sun in Leo, Moon in Aquarius, Ascendant in Sagittarius  
('1989-11-09', 'Jodhpur, India', 8, 7, 12),      -- Sun in Scorpio, Moon in Libra, Ascendant in Pisces  
('1994-02-18', 'Madurai, India', 11, 9, 4);    -- Sun in Aquarius, Moon in Sagittarius, Ascendant in Cancer
```

- **Insert value for Horoscope:**

```
INSERT INTO Horoscope (date, zodiac_sign_id, prediction, category)
```

```
VALUES -- horoscope_id is in AUTO_INCREMENT --
```

```
('2023-08-23', 1, 'Today is a great day for new beginnings.', 'Career'),
```

```
('2023-09-21', 2, 'You may encounter unexpected opportunities.', 'Love'),
```

```
('2023-02-27', 3, 'Take time for personal reflection.', 'Health'),
```

```
('2023-08-01', 4, 'Today is a great day for romance, Aries. Be open to new connections.', 'Love'),
```

```
( '2023-08-01', 5, 'focus on teamwork today. You will achieve success through collaboration.',  
'Career'),
```

```
( '2023-08-01', 6, 'prioritize your mental health today. Meditation or relaxation is key.', 'Health'),
```

```
('2023-08-01', 7, 'emotional connections are strong today. Be honest with your feelings.', 'Love'),
```

```
('2023-08-01', 8, 'today is perfect for stepping into leadership roles. Your confidence will shine.',  
'Career'),
```

- **Insert value for Horoscope: : (continued...)**

INSERT INTO Horoscope (date, zodiac_sign_id, prediction, category)

VALUES

('2023-08-01', 9, 'take time for self-care. Physical activity will boost your mood today.', 'Health'),
('2023-08-01', 10, 'balance is key in your relationship. Seek harmony and mutual understanding.', 'Love'),
('2023-08-01', 11, 'intense focus on your work will yield great rewards today.', 'Career'),
('2023-08-01', 12, 'stay active today. A good workout will lift your spirits.', 'Health'),
('2023-08-01', 1, 'your steady approach to love will deepen your bond today.', 'Love'),
('2023-08-01', 2, 'innovation in your work will bring success. Be bold in your ideas.', 'Career'),
('2023-08-01', 3, 'listen to your body today. Rest and rejuvenation are necessary for your well-being.', 'Health'),
('2023-08-03', 1,'today you may feel a surge of creativity. Use it to solve problems in love and work.', 'Career'),
('2023-08-02', 4,'focus on your emotional well-being. Self-care is essential to maintain balance.', 'Health'),
('2023-08-02', 5,'your leadership skills will be highlighted today. Take charge confidently.', 'Career'),

- **Insert value for Horoscope: : (continued...)**

INSERT INTO Horoscope (date, zodiac_sign_id, prediction, category)

VALUES

('2023-08-02', 6, 'unexpected health improvements may come your way. Keep up the good work.', 'Health'),
('2023-08-02', 7, 'harmony in your relationships will bring you peace today. Focus on mutual understanding.', 'Love'),
('2023-08-02', 8, 'it's a good day for making strategic career moves. Stay focused on your goals.', 'Career'),
('2023-08-02', 9, 'adventure calls. Take a leap of faith in your love life today.', 'Love'),
('2023-08-02', 10, 'your patience will pay off in both personal and professional matters.', 'Career'),
('2023-08-03', 2, 'financial stability is within reach. Make smart investments and trust your instincts.', 'Career'),
('2023-08-03', 3, 'an old friend may reach out today. Strengthen your social connections.', 'Love'),
('2023-08-03', 4, 'today is about nurturing yourself. Relaxation is key to maintaining your energy.', 'Health'),
('2023-08-03', 5, 'your charm is magnetic today. It's the perfect time for romance.', 'Love'),
('2023-08-03', 6, 'organizing your surroundings will help clear your mind and improve productivity.', 'Career'),

- **Insert value for Horoscope : (continued...)**

INSERT INTO Horoscope (date, zodiac_sign_id, prediction, category)

VALUES

('2023-08-03', 7, 'love is in the air. Be open to deepening emotional bonds with someone special.', 'Love'),

('2023-08-03', 8, 'your determination is strong today. Tackle tough challenges in your career.', 'Career'),

('2023-08-03', 9, 'adventure awaits in your love life. Be spontaneous and embrace new possibilities.', 'Love'),

('2023-08-03', 10, 'today is ideal for long-term planning. Set career goals that align with your ambitions.', 'Career'),

('2023-08-03', 11, 'focus on innovation in your work. A fresh idea could lead to success.', 'Career'),

('2023-08-03', 12, 'emotional balance is key today. Meditation or quiet reflection will help you recharge.', 'Health'),

('2023-08-04', 1, 'take a break and focus on self-care. Your energy will improve with rest.', 'Health'),

('2023-08-04', 2, 'a new opportunity in your career might arise. Be ready to seize it.', 'Career'),

('2023-08-04', 3, 'communication will be your strength today. Use it to mend or strengthen relationships.', 'Love');

- **Insert value for Horoscope:** :

-- Suppose if we want to see current date prediction --

-- For that I have insert current date value in horoscope table --

```
INSERT INTO Horoscope (date, zodiac_sign_id, prediction, category)
```

```
VALUES
```

```
(current_date(), 5, 'Today is a great day for new beginnings.', 'Career');
```

- Suppose I want to see details of Zodiac_sign table

Syntax : SELECT * FROM Zodiac_Sign

Result Grid				Filter Rows:	Edit:	Export/Import	
	sign_id	name	start_date	end_date	element	modality	ruling_planet
1	Aries	2023-03-21	2023-04-19	Fire	Cardinal	Mars	
2	Taurus	2023-04-20	2023-05-20	Earth	Fixed	Venus	
3	Gemini	2023-05-21	2023-06-20	Air	Mutable	Mercury	
4	Cancer	2023-06-21	2023-07-22	Water	Cardinal	Moon	
5	Leo	2023-07-23	2023-08-22	Fire	Fixed	Sun	
6	Virgo	2023-08-23	2023-09-22	Earth	Mutable	Mercury	
7	Libra	2023-09-23	2023-10-22	Air	Cardinal	Venus	
8	Scorpio	2023-10-23	2023-11-21	Water	Fixed	Pluto	
9	Sagittarius	2023-11-22	2023-12-21	Fire	Mutable	Jupiter	
10	Capricorn	2023-12-22	2024-01-19	Earth	Cardinal	Saturn	
11	Aquarius	2023-01-20	2023-02-18	Air	Fixed	Uranus	
12	Pisces	2023-02-19	2023-03-20	Water	Mutable	Neptune	
	NULL	NULL	NUL	NULL	NULL	NULL	NULL

- Suppose I want to see details of Planet table

Syntax : SELECT * FROM planet

	planet_id	name	type	ruling_sign_id
▶	1	Mars	Inner Planet	1
	2	Venus	Inner Planet	2
	3	Mercury	Inner Planet	3
	4	Moon	Celestial Body	4
	5	Sun	Outer Planet	5
	6	Pluto	Outer Planet	8
	7	Jupiter	Outer Planet	9
	8	Saturn	Outer Planet	10
	9	Uranus	Outer Planet	11
	10	Neptune	Outer Planet	12
	11	Earth	Inner Planet	NULL
*	NULL	NULL	NULL	NULL

- Suppose I want to see details of Planetary_position table

Syntax : SELECT * FROM planetary_position

	position_id	date	planet_id	zodiac_sign_id	degree	retrograde
▶	1	2023-03-01	1	1	15.20	0
	2	2023-04-10	2	2	22.70	0
	3	2023-05-15	3	3	10.40	0
	4	2023-06-20	4	4	18.60	1
	5	2023-07-12	5	5	27.10	0
	6	2023-08-25	6	8	13.50	1
	7	2023-09-30	7	9	5.90	0
	8	2023-10-10	8	10	9.30	1
	9	2023-11-15	9	11	21.40	0
	10	2023-12-05	10	12	2.10	0
	11	2023-12-15	11	5	17.80	0
*	HULL	HULL	HULL	HULL	HULL	HULL

- Suppose I want to see details of birth_chart table

Syntax : SELECT * FROM birth_chart

chart_id	birthdate	birthplace	sun_sign_id	moon_sign_id	ascendant_sign_id
1	1990-03-25	Mumbai, India	1	4	5
2	1985-07-14	Delhi, India	5	9	10
3	1992-11-03	Bangalore, India	8	3	1
4	2000-01-20	Kolkata, India	11	12	9
5	1995-09-05	Chennai, India	6	5	7
6	1988-04-12	Pune, India	1	10	8
7	1999-02-28	Hyderabad, India	12	2	11
8	1994-06-15	Ahmedabad, India	3	9	6
9	1997-12-23	Jaipur, India	10	4	3
10	1991-10-09	Lucknow, India	7	6	12
11	1990-08-18	Patna, India	5	3	2
12	1987-11-22	Nagpur, India	9	8	1
13	1996-05-12	Bhopal, India	2	6	4
14	1989-04-30	Surat, India	2	11	7

chart_id	birthdate	birthplace	sun_sign_id	moon_sign_id	ascendant_sign_id
15	1994-07-27	Indore, India	5	1	9
16	1998-12-05	Vadodara, India	10	2	5
17	1991-06-10	Visakhapatnam, I...	3	7	11
18	1993-09-18	Rajkot, India	6	8	3
19	1992-02-04	Karnataka, India	11	12	6
20	1985-10-16	Amritsar, India	7	5	10
21	1995-08-23	Khopoli, India	2	1	4
22	1987-05-14	Pune, India	1	3	2
23	1974-09-17	Solapur, India	4	5	6
24	1988-05-25	Agra, India	3	9	1
25	1995-12-14	Meerut, India	9	5	10
26	1999-03-30	Kanpur, India	1	12	6
27	1986-10-02	Coimbatore, India	7	10	5
28	1993-07-08	Nashik, India	4	2	7
29	1997-09-19	Varanasi, India	6	6	3
30	1992-04-06	Aurangabad, India	1	4	8
31	1991-08-22	Guwahati, India	5	11	9
32	1989-11-09	Jodhpur, India	8	7	12
33	1994-02-18	Madurai, India	11	9	4
*	NULL	NULL	NULL	NULL	NULL

Suppose I want to see details of Horoscope table

Syntax : SELECT * FROM Horoscope

horoscope_id	date	zodiac_sign_id	prediction	category
1	2023-08-23	1	Today is a great day for new beginnings.	Career
2	2023-09-21	2	You may encounter unexpected opportunities.	Love
3	2023-02-27	3	Take time for personal reflection.	Health
4	2023-08-01	4	Today is a great day for romance, Aries. Be open to new connections.	Love
5	2023-08-01	5	focus on teamwork today. You will achieve success through collaboration.	Career
6	2023-08-01	6	prioritize your mental health today. Meditation or relaxation is key.	Health
7	2023-08-01	7	emotional connections are strong today. Be honest with your feelings.	Love
8	2023-08-01	8	today is perfect for stepping into leadership roles. Your confidence will shine.	Career
9	2023-08-01	9	take time for self-care. Physical activity will boost your mood today.	Health
10	2023-08-01	10	balance is key in your relationship. Seek harmony and mutual understanding.	Love
11	2023-08-01	11	intense focus on your work will yield great rewards today.	Career
12	2023-08-01	12	stay active today. A good workout will lift your spirits.	Health
13	2023-08-01	1	your steady approach to love will deepen your bond today.	Love
14	2023-08-01	2	innovation in your work will bring success. Be bold in your ideas.	Career
15	2023-08-01	3	listen to your body today. Rest and rejuvenation are necessary for your well-being.	Health
16	2023-08-03	1	today you may feel a surge of creativity. Use it to solve problems in love and work.	Career
17	2023-08-02	4	focus on your emotional well-being. Self-care is essential to maintain balance.	Health
18	2023-08-02	5	your leadership skills will be highlighted today. Take charge confidently.	Career

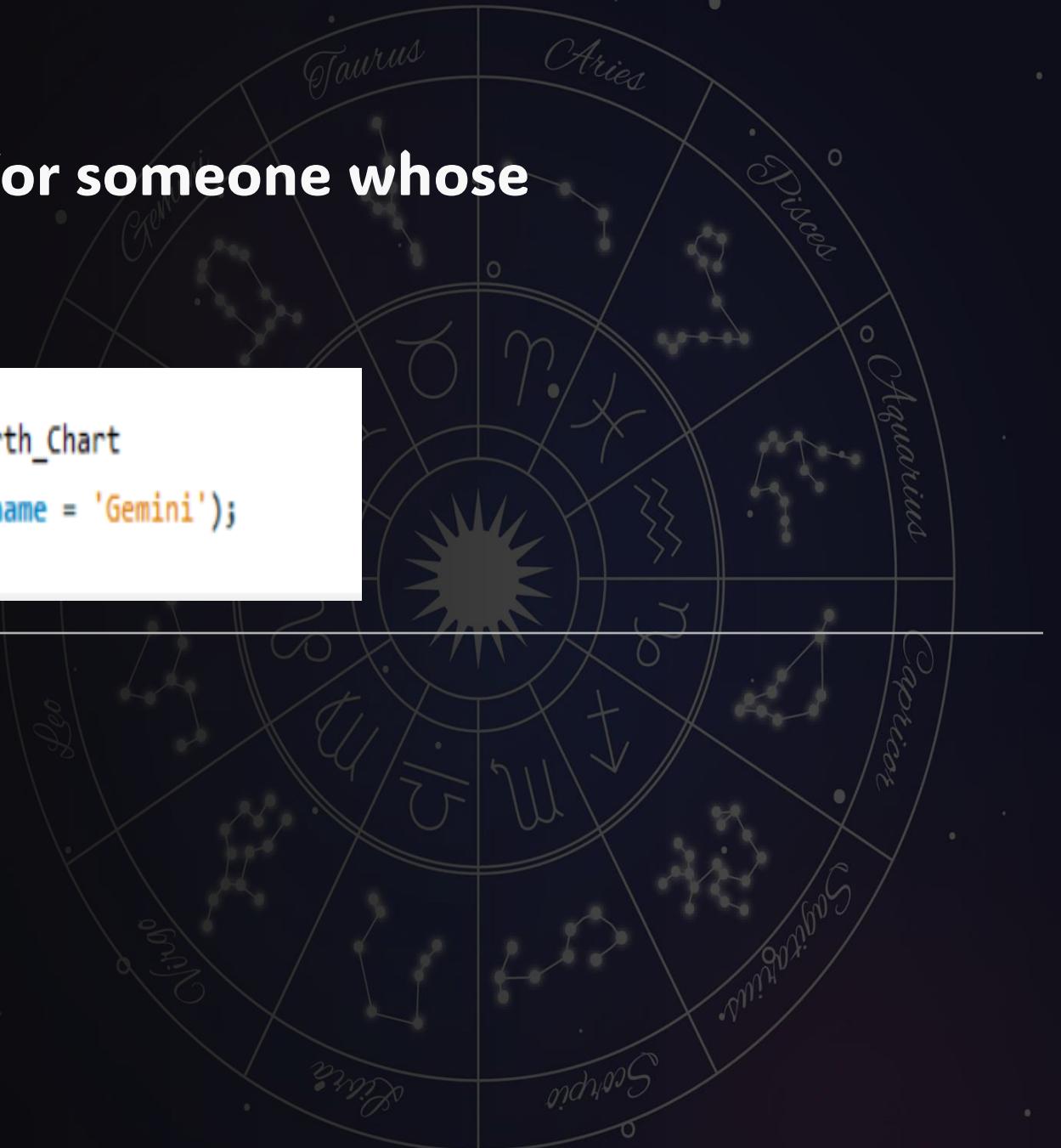
horoscope_id	date	zodiac_sign_id	prediction	category
19	2023-08-02	6	unexpected health improvements may come your way. Keep up the good work.	Health
20	2023-08-02	7	harmony in your relationships will bring you peace today. Focus on mutual understanding.	Love
21	2023-08-02	8	it's a good day for making strategic career moves. Stay focused on your goals.	Career
22	2023-08-02	9	adventure calls. Take a leap of faith in your love life today.	Love
23	2023-08-02	10	your patience will pay off in both personal and professional matters.	Career
24	2023-08-03	2	financial stability is within reach. Make smart investments and trust your instincts.	Career
25	2023-08-03	3	an old friend may reach out today. Strengthen your social connections.	Love
26	2023-08-03	4	today is about nurturing yourself. Relaxation is key to maintaining your energy.	Health
27	2023-08-03	5	your charm is magnetic today. It's the perfect time for romance.	Love
28	2023-08-03	6	organizing your surroundings will help clear your mind and improve productivity.	Career
29	2023-08-03	7	love is in the air. Be open to deepening emotional bonds with someone special.	Love
30	2023-08-03	8	your determination is strong today. Tackle tough challenges in your career.	Career
31	2023-08-03	9	adventure awaits in your love life. Be spontaneous and embrace new possibilities.	Love
32	2023-08-03	10	today is ideal for long-term planning. Set career goals that align with your ambitions.	Career
33	2023-08-03	11	focus on innovation in your work. A fresh idea could lead to success.	Career
34	2023-08-03	12	emotional balance is key today. Meditation or quiet reflection will help you recharge.	Health
35	2023-08-04	1	take a break and focus on self-care. Your energy will improve with rest.	Health
36	2023-08-04	2	a new opportunity in your career might arise. Be ready to seize it.	Career
37	2023-08-04	3	communication will be your strength today. Use it to mend or strengthen relationships.	Love
*	NULL	NULL	NULL	NULL

Sub-Queries:

Question no. 1 : Find the birth chart for someone whose ascendant is 'Gemini'.

```
SELECT chart_id, birthdate, birthplace, ascendant_sign_id FROM Birth_Chart  
WHERE ascendant_sign_id = (SELECT sign_id FROM Zodiac_Sign WHERE name = 'Gemini');
```

	chart_id	birthdate	birthplace	ascendant_sign_id
▶	9	1997-12-23	Jaipur, India	3
	18	1993-09-18	Rajkot, India	3
●	29	1997-09-19	Varanasi, India	3
●	NULL	NULL	NULL	NULL

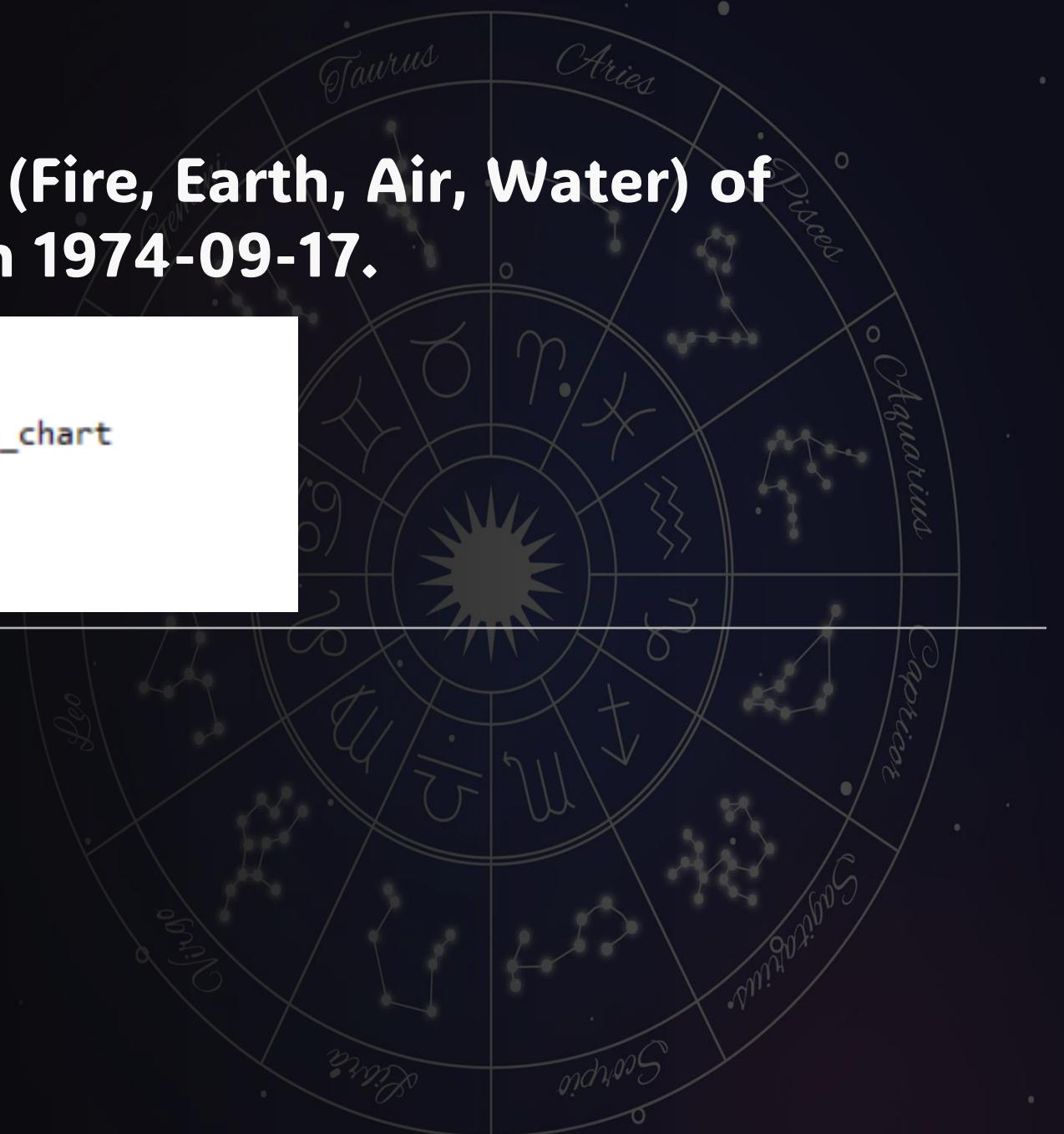


Sub-queries:

Question no. 2 : Find the elements (Fire, Earth, Air, Water) of the sun sign for someone born on 1974-09-17.

- ```
SELECT element, sign_id FROM zodiac_sign
 WHERE sign_id = (SELECT sun_sign_id FROM birth_chart
 WHERE birthdate = '1974-09-17'));
```

| Result Grid |         |         |
|-------------|---------|---------|
|             | element | sign_id |
| ▶           | Water   | 4       |
| *           | NULL    | NULL    |

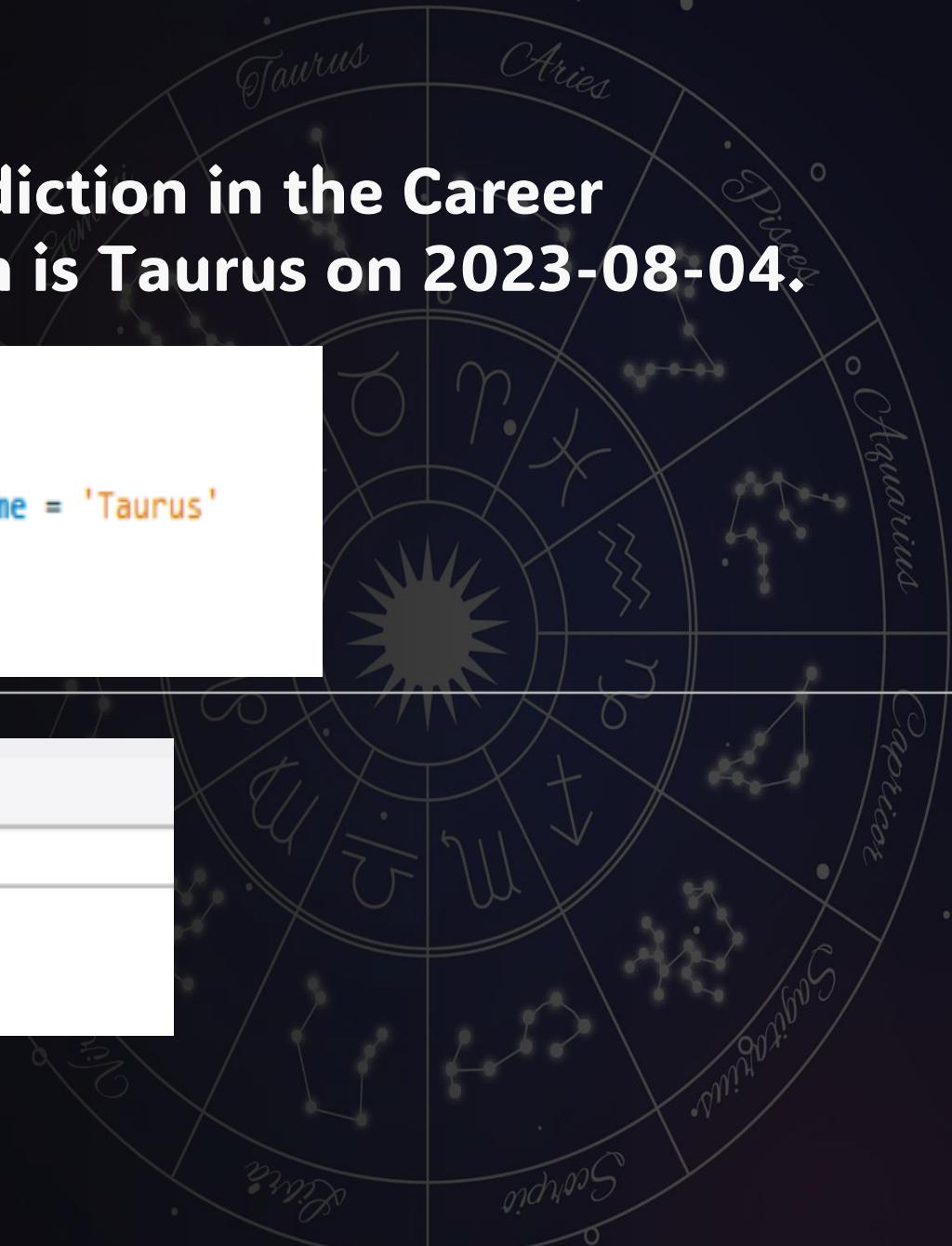


# Sub-queries:

**Question no. 3: Find the Horoscope prediction in the Career category for someone whose moon sign is Taurus on 2023-08-04.**

- ```
SELECT zodiac_sign_id, category, prediction FROM horoscope  
WHERE zodiac_sign_id = ( SELECT sign_id FROM zodiac_sign WHERE name = 'Taurus'  
AND date = '2023-08-04' AND category = 'career');
```

Result Grid		
	zodiac_sign_id	category
▶	2	Career
		a new opportunity in your career might arise. Be ready to seize it.

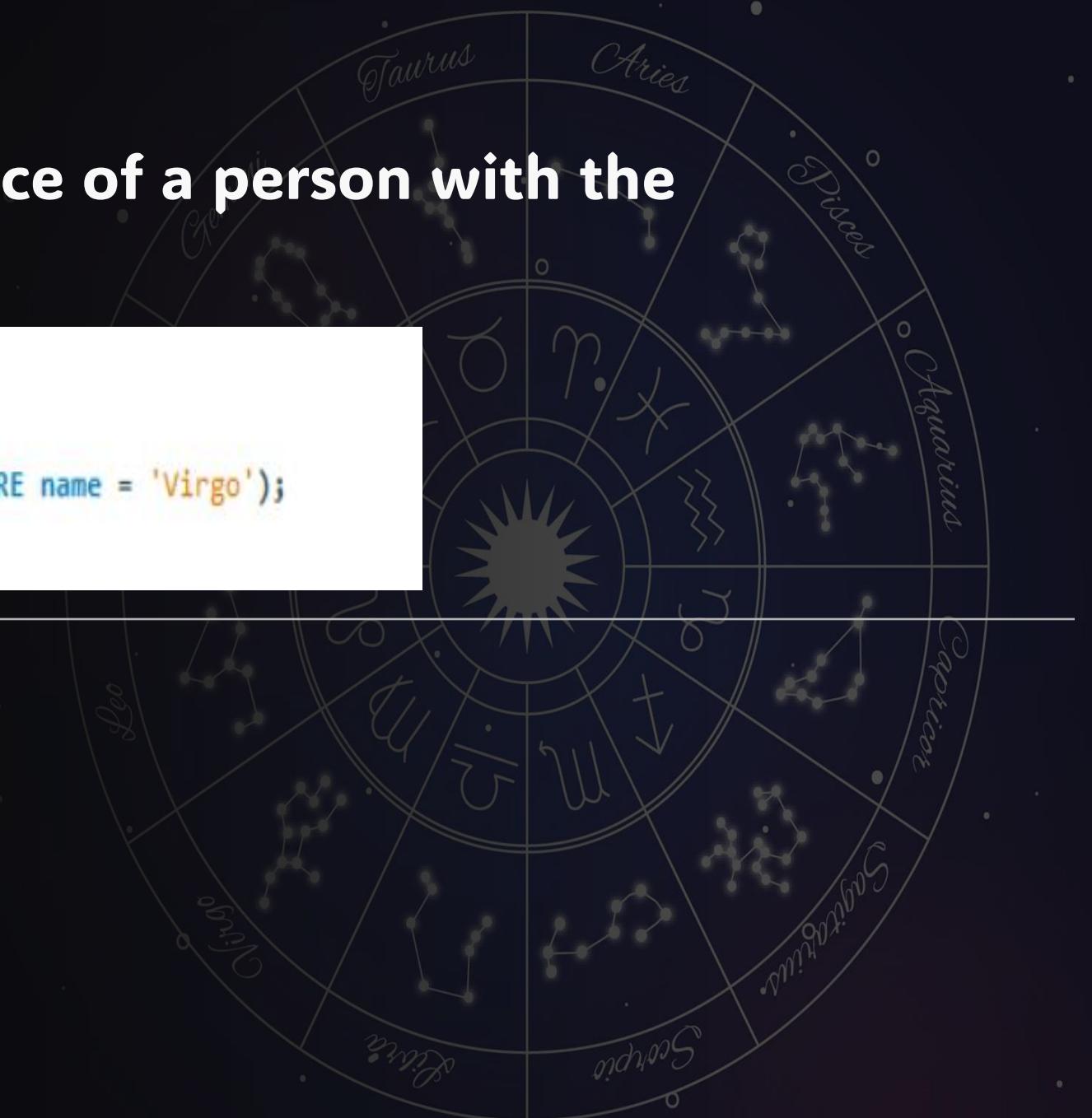


Sub-queries:

Question no. 4 : Find the Birthplace of a person with the moon sign is Virgo.

```
SELECT moon_sign_id , birthplace FROM birth_chart  
WHERE moon_sign_id = (SELECT sign_id FROM zodiac_sign WHERE name = 'Virgo');
```

Result Grid	
moon_sign_id	birthplace
6	Lucknow, India
6	Bhopal, India
6	Varanasi, India

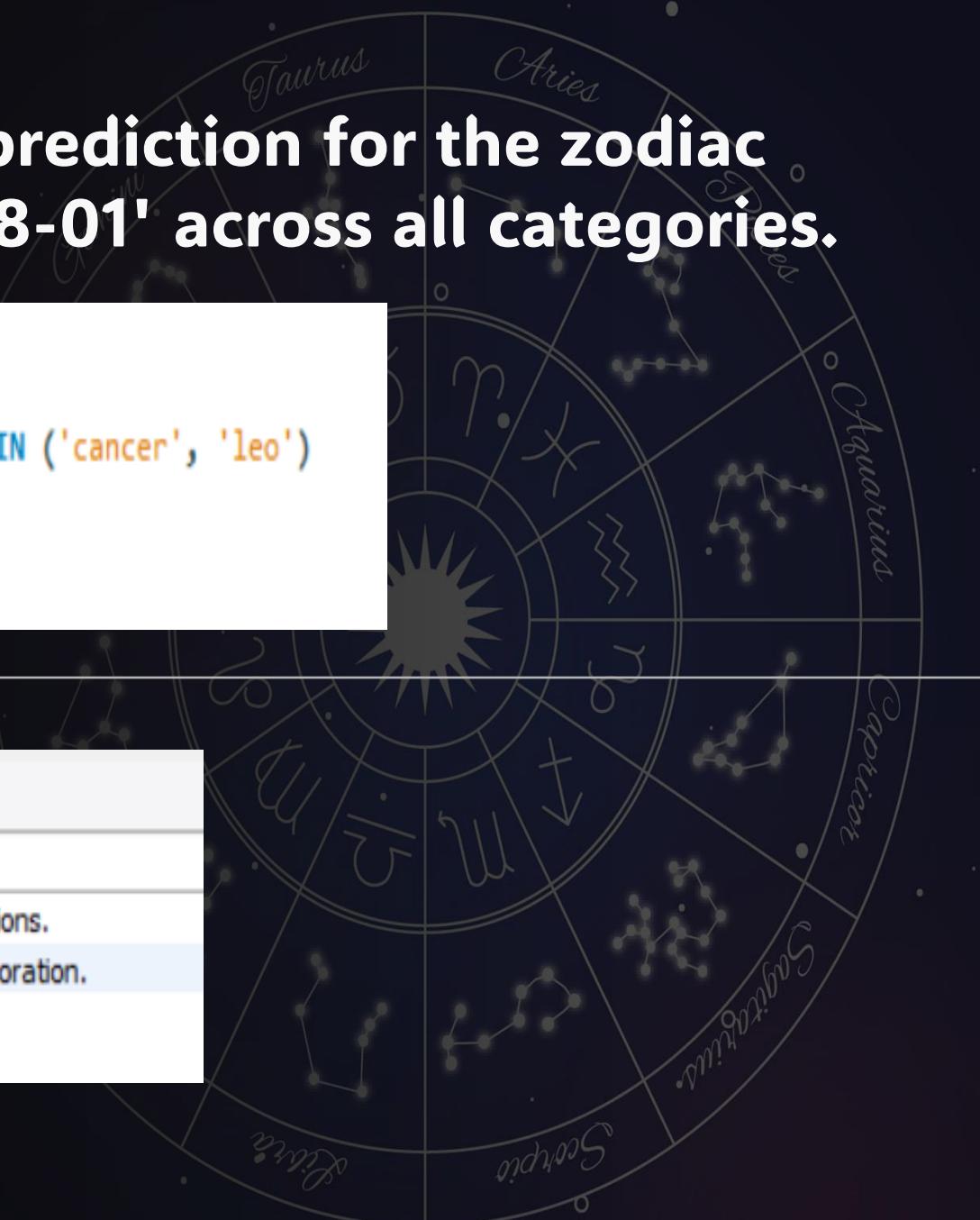


Sub-queries:

Question no. 5 : Find all horoscope prediction for the zodiac sign 'Cancer' and 'Leo' on '2023-08-01' across all categories.

- ```
SELECT Zodiac_sign_id, category, prediction FROM horoscope
WHERE zodiac_sign_id IN (SELECT sign_id FROM zodiac_sign WHERE name IN ('cancer', 'leo'))
AND date = '2023-08-01');
```

| Zodiac_sign_id | category | prediction                                                               |
|----------------|----------|--------------------------------------------------------------------------|
| 4              | Love     | Today is a great day for romance, Aries. Be open to new connections.     |
| 5              | Career   | focus on teamwork today. You will achieve success through collaboration. |

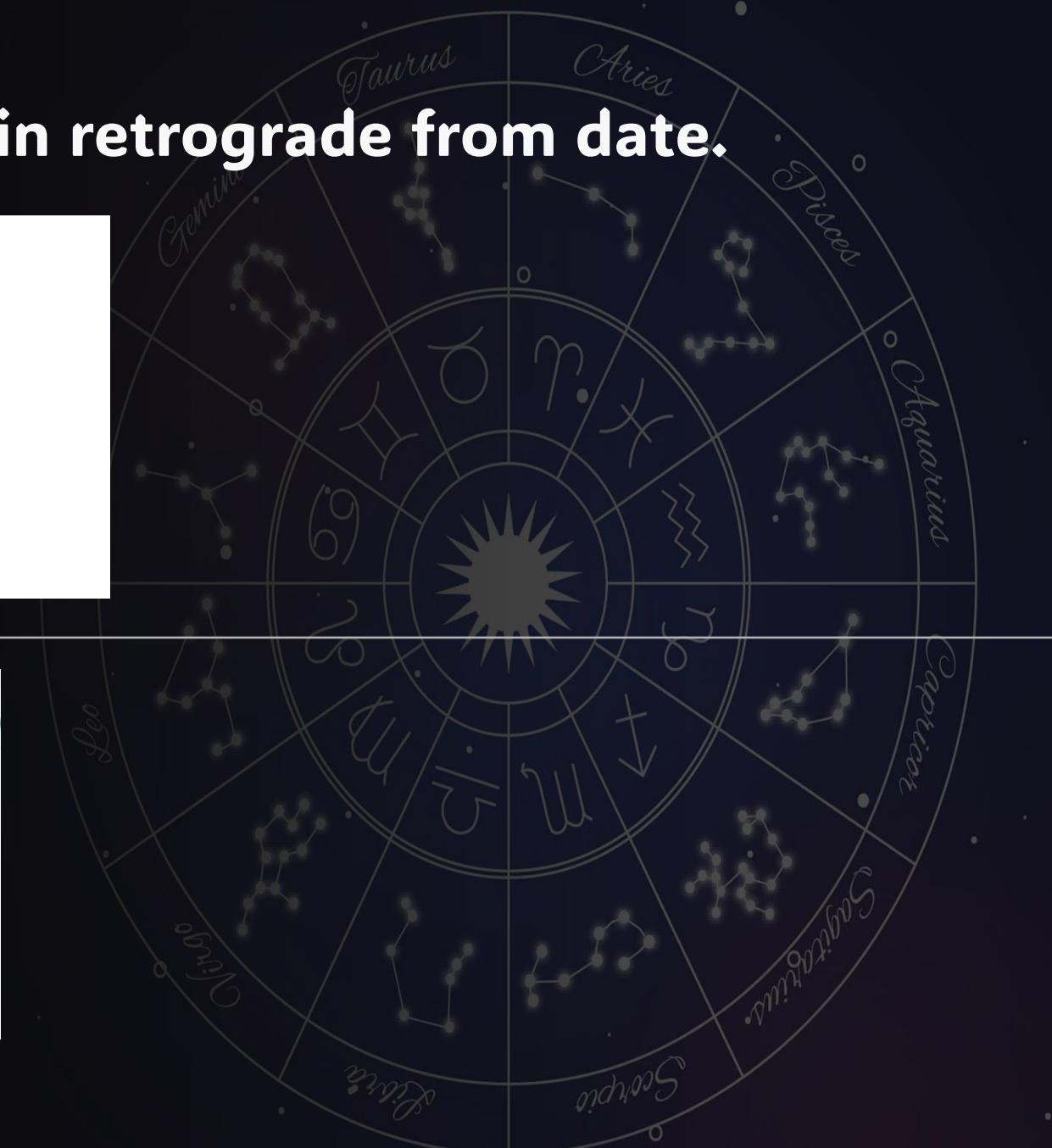


## Sub-queries:

**Question no. 6 : Find all planets in retrograde from date.**

```
SELECT * FROM Planetary_position
WHERE date IN (SELECT date FROM Planetary_position
WHERE retrograde = 1);
```

|   | position_id | date       | planet_id | zodiac_sign_id | degree | retrograde |
|---|-------------|------------|-----------|----------------|--------|------------|
| ▶ | 4           | 2023-06-20 | 4         | 4              | 18.60  | 1          |
| ▶ | 6           | 2023-08-25 | 6         | 8              | 13.50  | 1          |
| ▶ | 8           | 2023-10-10 | 8         | 10             | 9.30   | 1          |
| ▶ | NULL        | NULL       | NULL      | NULL           | NULL   | NULL       |

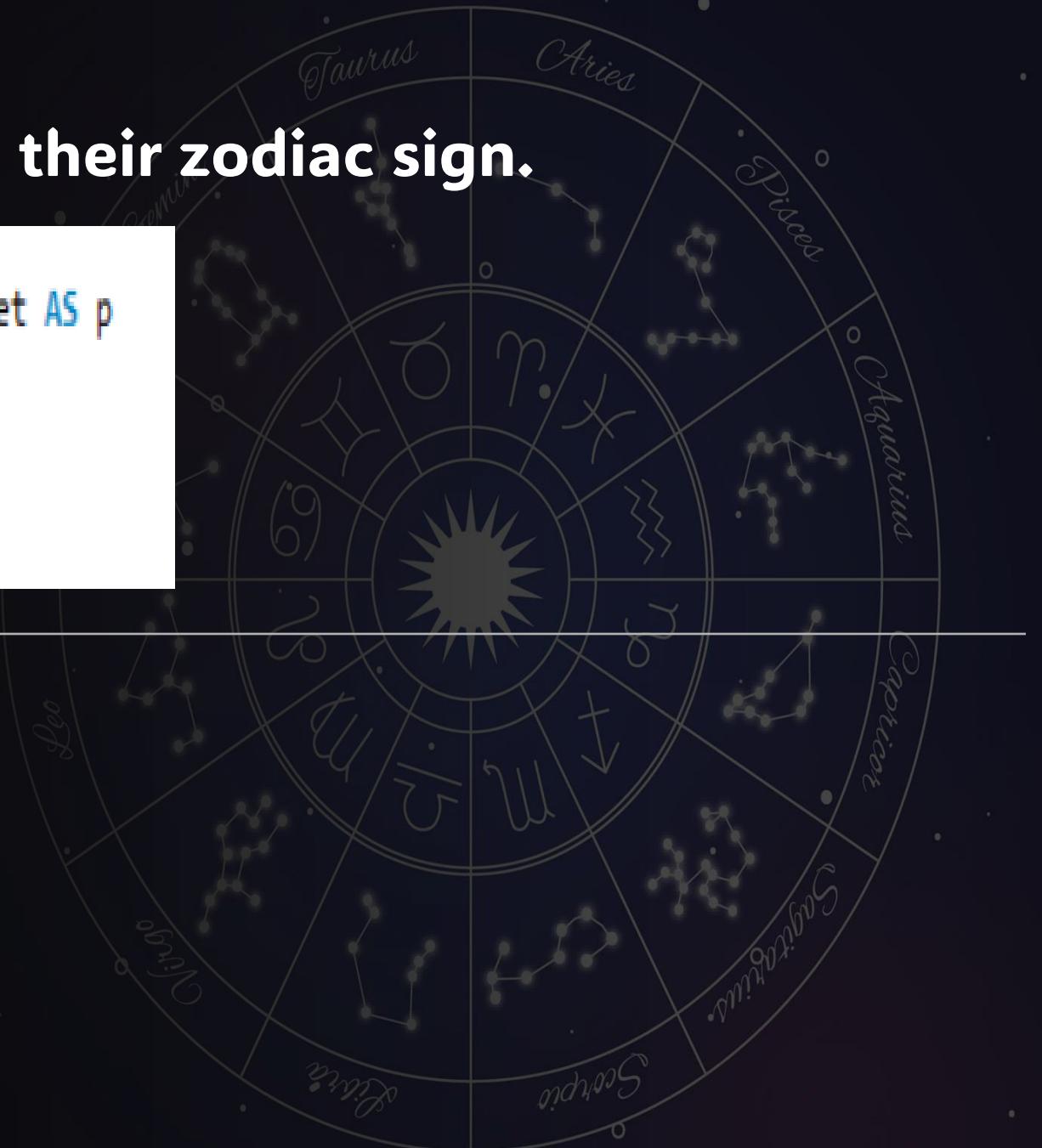


# Joins:

Question no. 1: List all planets and their zodiac sign.

- SELECT p.name AS planet, z.name AS zodiacsign FROM planet AS p  
JOIN zodiac\_sign AS z  
ON p.ruling\_sign\_id = z.sign\_id;

| planet  | zodiacsign  |
|---------|-------------|
| Mars    | Aries       |
| Venus   | Taurus      |
| Mercury | Gemini      |
| Moon    | Cancer      |
| Sun     | Leo         |
| Pluto   | Scorpio     |
| Jupiter | Sagittarius |
| Saturn  | Capricorn   |
| Uranus  | Aquarius    |
| Neptune | Pisces      |

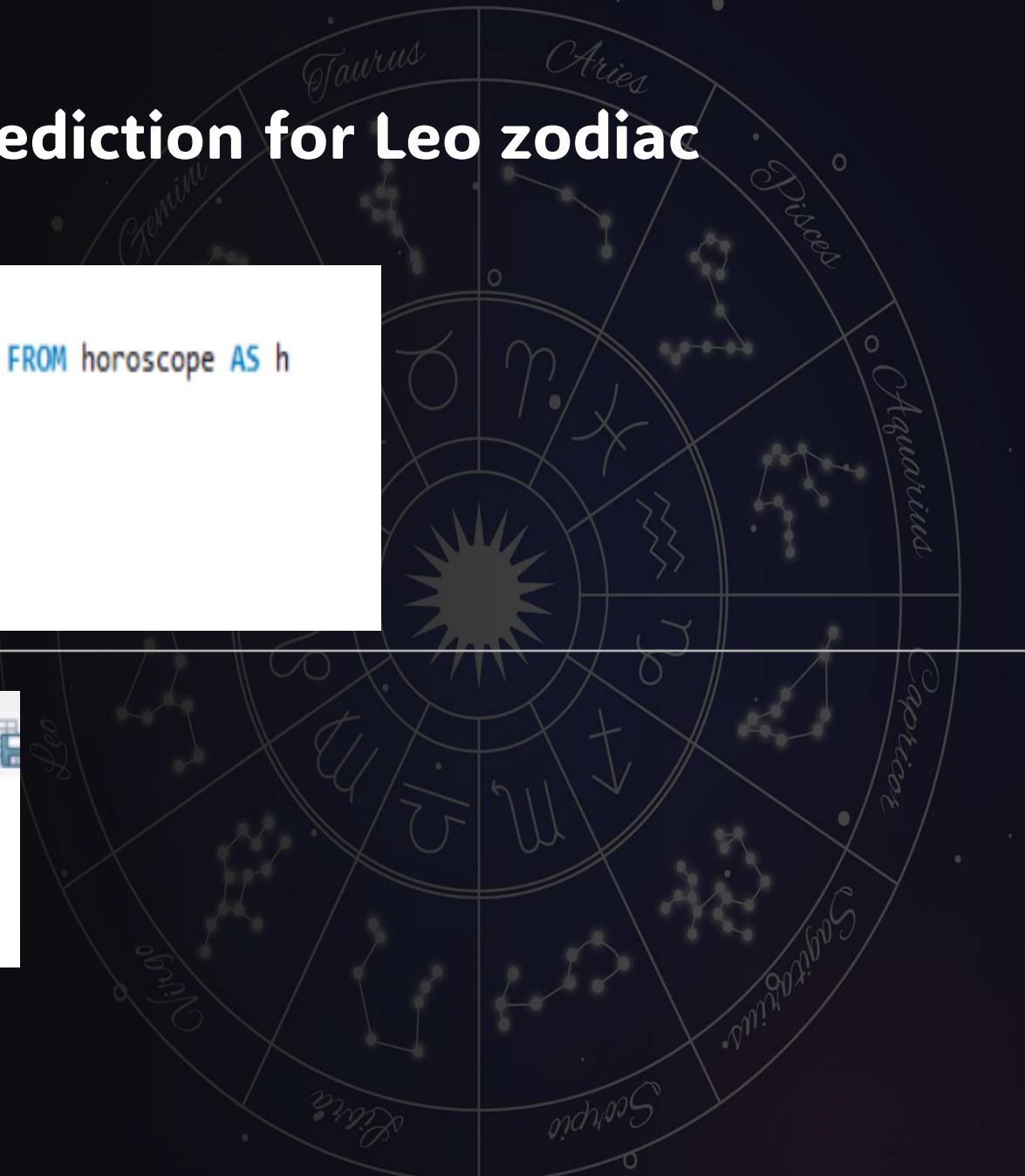


# Joins:

## Question no. 2 : find horoscope prediction for Leo zodiac sign for today.

- ```
SELECT h.prediction AS Astro_prediction , h.category AS category FROM horoscope AS h
JOIN zodiac_sign AS z
ON h.zodiac_sign_id = z.sign_id
WHERE z.name = 'Leo' AND h.date = current_date();
```

	Astro_prediction	category
▶	Today is a great day for new beginnings.	Career



Joins:

Question no. 3 : Find the sun, moon, and ascendant signs for all birth charts along with their corresponding element.

- ```
SELECT bc.birthdate, bc.sun_sign_id AS SunSign, z_sun.element AS SunElement,
 bc.moon_sign_id AS MoonSign, z_moon.element AS MoonElement,
 bc.ascendant_sign_id AS AscendantSign, z_Asc.element AS AscendantElement FROM birth_chart AS bc
 INNER JOIN zodiac_sign AS z_sun ON bc.sun_sign_id = z_sun.sign_id
 INNER JOIN zodiac_sign AS z_moon ON bc.moon_sign_id = z_moon.sign_id
 INNER JOIN zodiac_sign AS z_Asc ON bc.ascendant_sign_id = z_Asc.sign_id;
```

| birthdate  | SunSign | SunElement | MoonSign | MoonElement | AscendantSign | AscendantElement |
|------------|---------|------------|----------|-------------|---------------|------------------|
| 1990-03-25 | 1       | Fire       | 4        | Water       | 5             | Fire             |
| 1988-04-12 | 1       | Fire       | 10       | Earth       | 8             | Water            |
| 1987-05-14 | 1       | Fire       | 3        | Air         | 2             | Earth            |
| 1999-03-30 | 1       | Fire       | 12       | Water       | 6             | Earth            |
| 1992-04-06 | 1       | Fire       | 4        | Water       | 8             | Water            |
| 1996-05-12 | 2       | Earth      | 6        | Earth       | 4             | Water            |
| 1989-04-30 | 2       | Earth      | 11       | Air         | 7             | Air              |
| 1995-08-23 | 2       | Earth      | 1        | Fire        | 4             | Water            |
| 1994-06-15 | 3       | Air        | 9        | Fire        | 6             | Earth            |
| 1991-06-10 | 3       | Air        | 7        | Air         | 11            | Air              |
| 1988-05-25 | 3       | Air        | 9        | Fire        | 1             | Fire             |
| 1974-09-17 | 4       | Water      | 5        | Fire        | 6             | Earth            |
| 1993-07-08 | 4       | Water      | 2        | Earth       | 7             | Air              |
| 1985-07-14 | 5       | Fire       | 9        | Fire        | 10            | Earth            |
| 1990-08-18 | 5       | Fire       | 3        | Air         | 2             | Earth            |
| 1994-07-27 | 5       | Fire       | 1        | Fire        | 9             | Fire             |

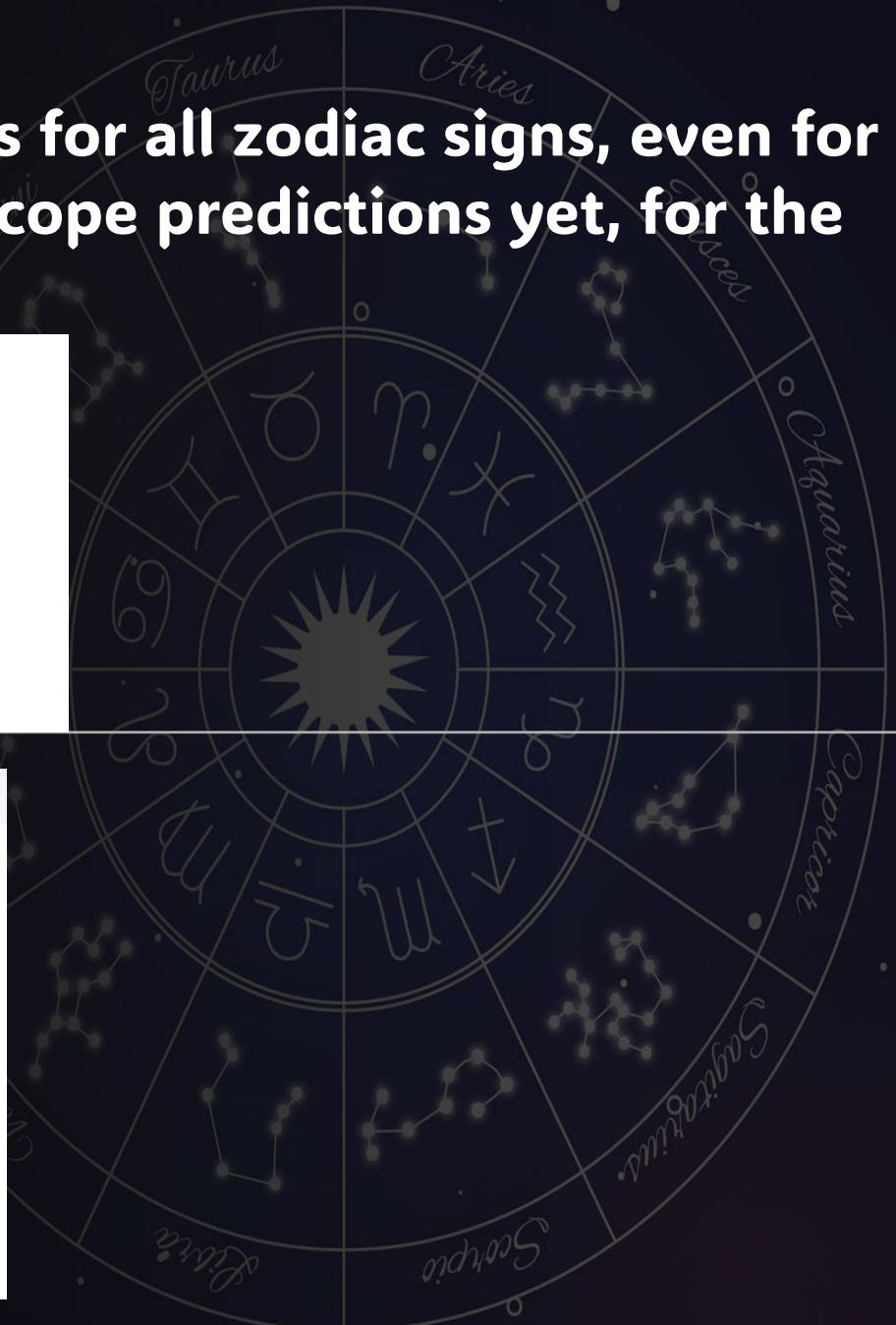
|            |    |       |    |       |    |       |
|------------|----|-------|----|-------|----|-------|
| 1991-08-22 | 5  | Fire  | 11 | Air   | 9  | Fire  |
| 1995-09-05 | 6  | Earth | 5  | Fire  | 7  | Air   |
| 1993-09-18 | 6  | Earth | 8  | Water | 3  | Air   |
| 1997-09-19 | 6  | Earth | 6  | Earth | 3  | Air   |
| 1991-10-09 | 7  | Air   | 6  | Earth | 12 | Water |
| 1985-10-16 | 7  | Air   | 5  | Fire  | 10 | Earth |
| 1986-10-02 | 7  | Air   | 10 | Earth | 5  | Fire  |
| 1992-11-03 | 8  | Water | 3  | Air   | 1  | Fire  |
| 1989-11-09 | 8  | Water | 7  | Air   | 12 | Water |
| 1987-11-22 | 9  | Fire  | 8  | Water | 1  | Fire  |
| 1995-12-14 | 9  | Fire  | 5  | Fire  | 10 | Earth |
| 1997-12-23 | 10 | Earth | 4  | Water | 3  | Air   |
| 1998-12-05 | 10 | Earth | 2  | Earth | 5  | Fire  |
| 2000-01-20 | 11 | Air   | 12 | Water | 9  | Fire  |
| 1992-02-04 | 11 | Air   | 12 | Water | 6  | Earth |
| 1994-02-18 | 11 | Air   | 9  | Fire  | 4  | Water |
| 1999-02-28 | 12 | Water | 2  | Earth | 11 | Air   |

# Joins:

**Question no. 4 : Find predictions & categories for all zodiac signs, even for those zodiac signs that do not have any horoscope predictions yet, for the date 2023-09-01.**

- ```
SELECT z.name, h.prediction, h.category FROM zodiac_sign AS z
LEFT JOIN Horoscope AS h
ON z.sign_id = h.zodiac_sign_id
AND h.date = '2023-08-04';
```

	name	prediction	category
▶	Aries	take a break and focus on self-care. Your energy will improve with rest.	Health
	Taurus	a new opportunity in your career might arise. Be ready to seize it.	Career
	Gemini	communication will be your strength today. Use it to mend or strengthen relationships.	Love
	Cancer	HULL	NULL
	Leo	HULL	NULL
	Virgo	HULL	NULL
	Libra	HULL	NULL
	Scorpio	HULL	NULL
	Sagittarius	HULL	NULL
	Capricorn	HULL	NULL
	Aquarius	HULL	NULL
	Pisces	HULL	NULL

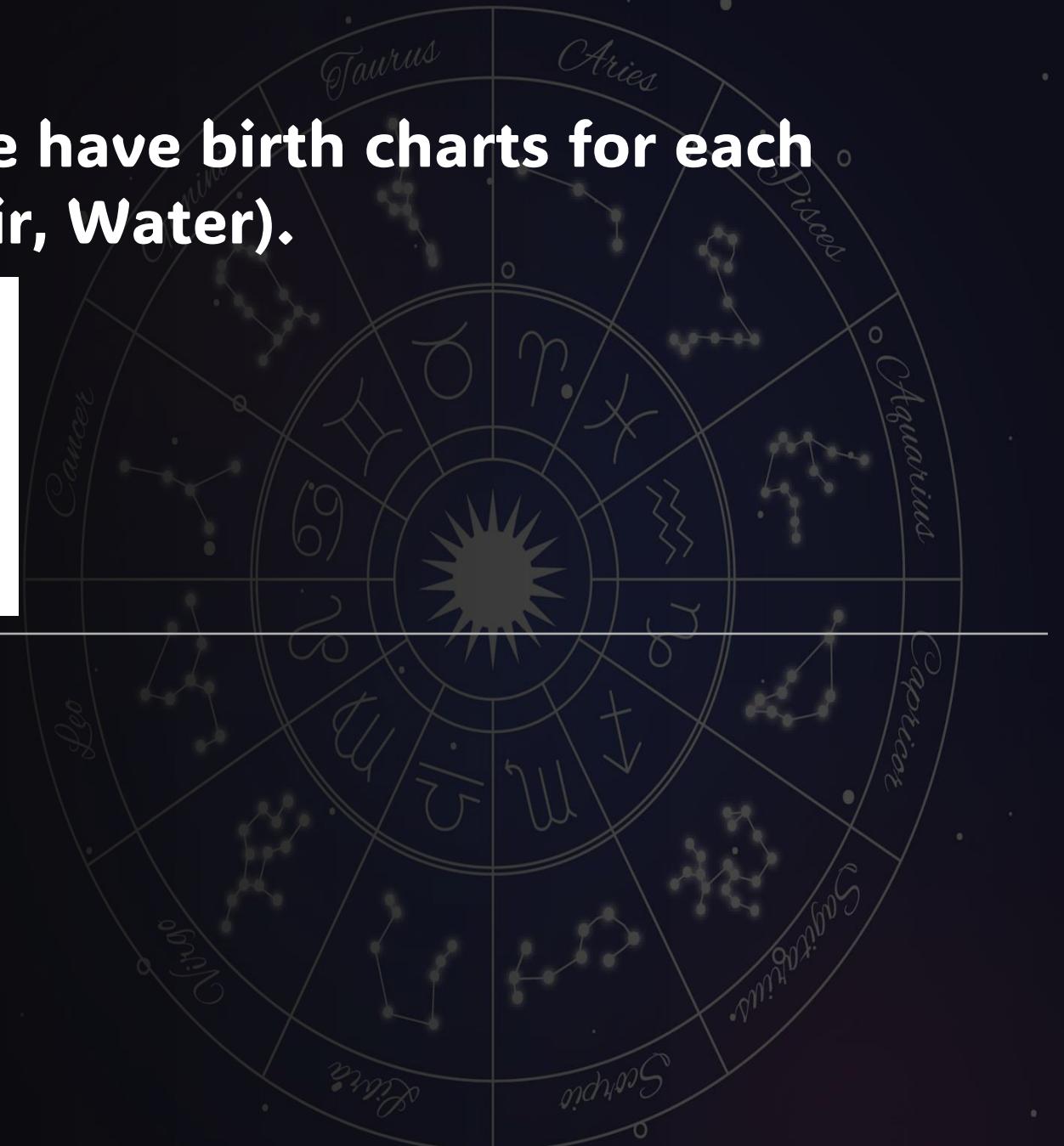


Joins:

Question no. 5 : Find many people have birth charts for each element sign (e.g., Fire, Earth, Air, Water).

- ```
SELECT z.element, COUNT(*) AS num_of_charts
 FROM Birth_Chart AS bc
 JOIN Zodiac_Sign AS z
 ON bc.sun_sign_id = z.sign_id
 GROUP BY z.element;
```

| Result Grid |         |               |
|-------------|---------|---------------|
|             | element | num_of_charts |
| ▶           | Fire    | 11            |
|             | Earth   | 8             |
|             | Air     | 9             |
|             | Water   | 5             |

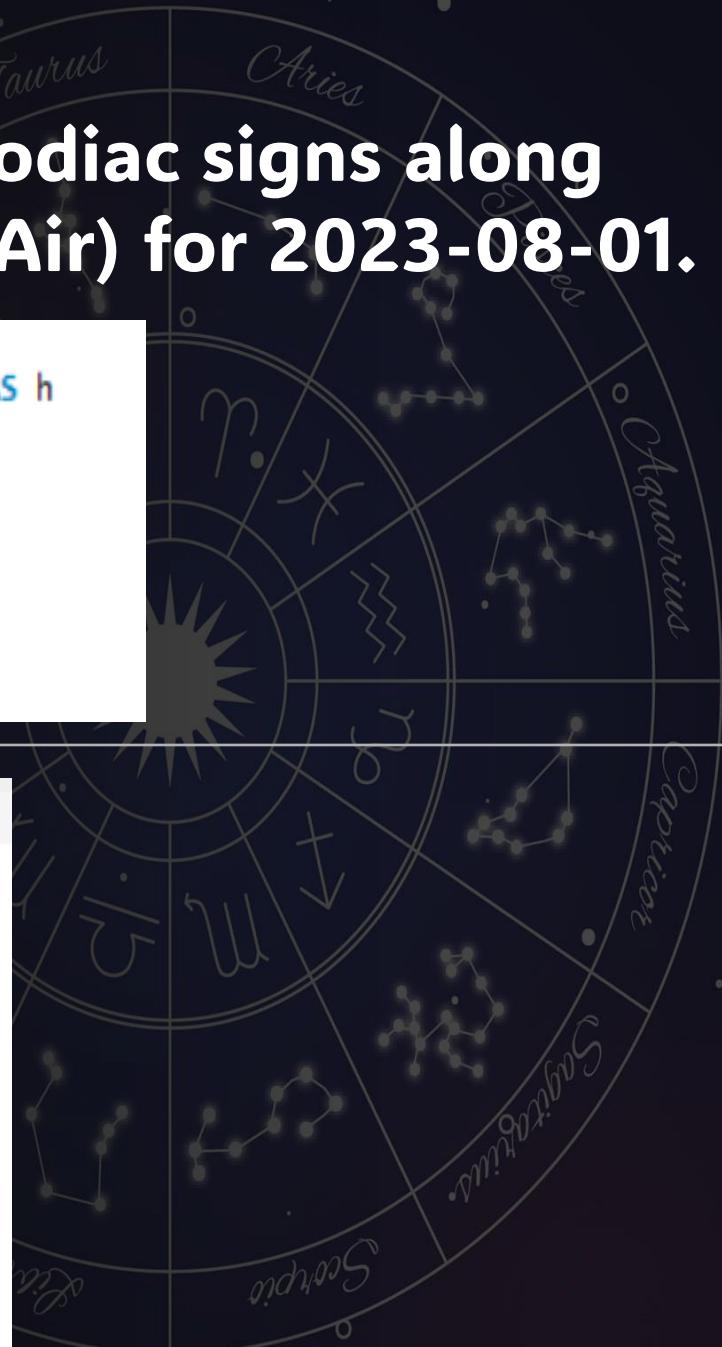


# Joins:

**Question no. 6 : Find the horoscopes for all zodiac signs along with their element (e.g., Fire, Earth, Water, Air) for 2023-08-01.**

- ```
SELECT h.prediction, h.category, z.name AS sign_name, z.element FROM Horoscope AS h
INNER JOIN Zodiac_Sign AS z
ON h.zodiac_sign_id = z.sign_id
WHERE h.date = '2023-08-01'
ORDER BY sign_name ;
```

	prediction	category	sign_name	element
▶	intense focus on your work will yield great rewards today. your steady approach to love will deepen your bond today. Today is a great day for romance, Aries. Be open to new connections. balance is key in your relationship. Seek harmony and mutual understanding. listen to your body today. Rest and rejuvenation are necessary for your well-being. focus on teamwork today. You will achieve success through collaboration. emotional connections are strong today. Be honest with your feelings. stay active today. A good workout will lift your spirits. take time for self-care. Physical activity will boost your mood today. today is perfect for stepping into leadership roles. Your confidence will shine. innovation in your work will bring success. Be bold in your ideas. prioritize your mental health today. Meditation or relaxation is key.	Career Love Love Love Health Career Love Health Health Health Career Career	Aquarius Aries Cancer Capricorn Gemini Leo Libra Pisces Sagittarius Scorpio Taurus Virgo	Air Fire Water Earth Air Fire Air Water Fire Water Earth Earth

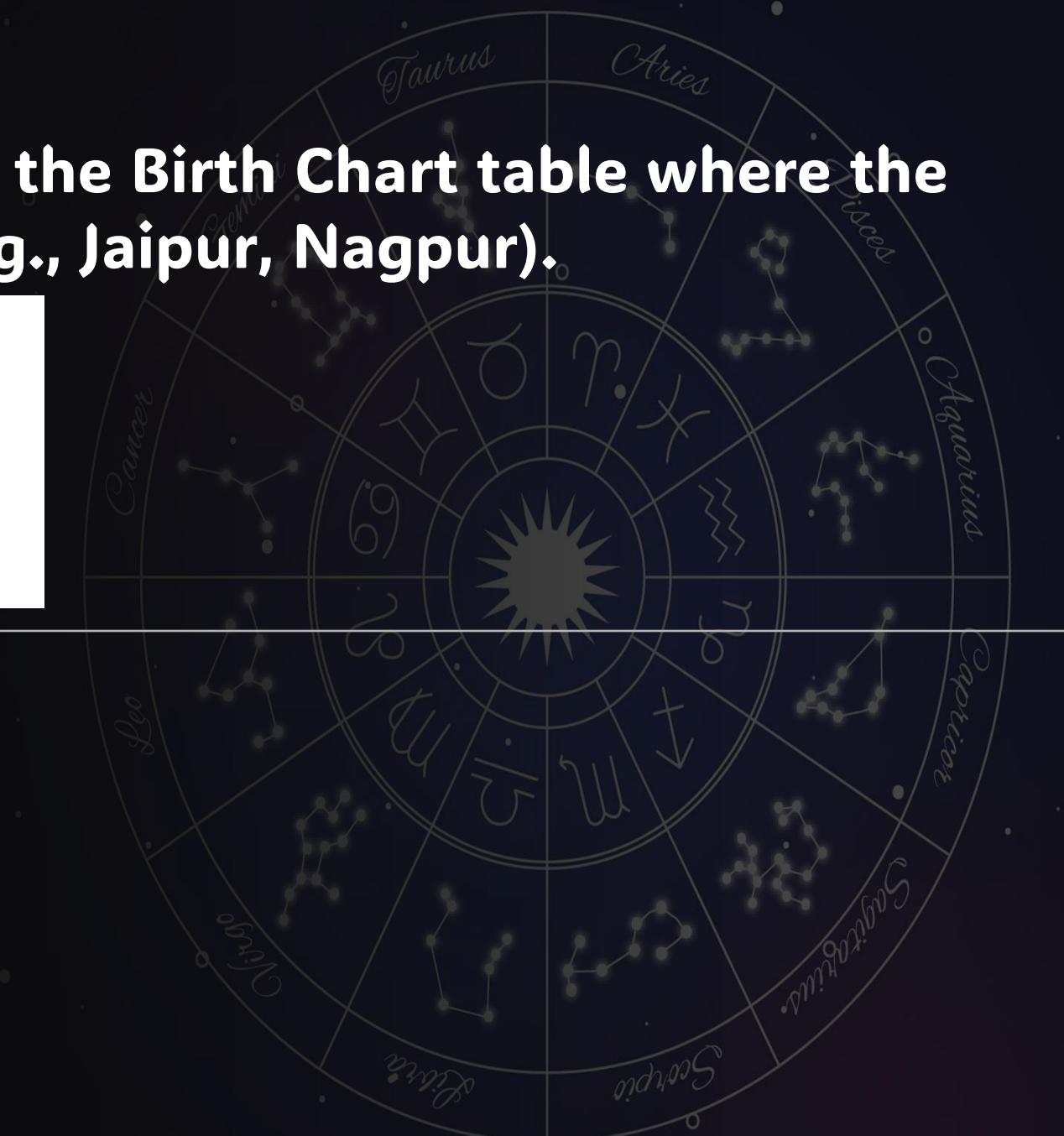


Normal Queries:

Question no. 1 : Find all cities in the Birth Chart table where the birthplace ends with "pur" (e.g., Jaipur, Nagpur).

- ```
SELECT birthplace FROM Birth_Chart
WHERE birthplace LIKE '%pur%';
```

| Result Grid |                |
|-------------|----------------|
|             | birthplace     |
| ▶           | Jaipur, India  |
|             | Nagpur, India  |
|             | Solapur, India |
|             | Kanpur, India  |
|             | Jodhpur, India |

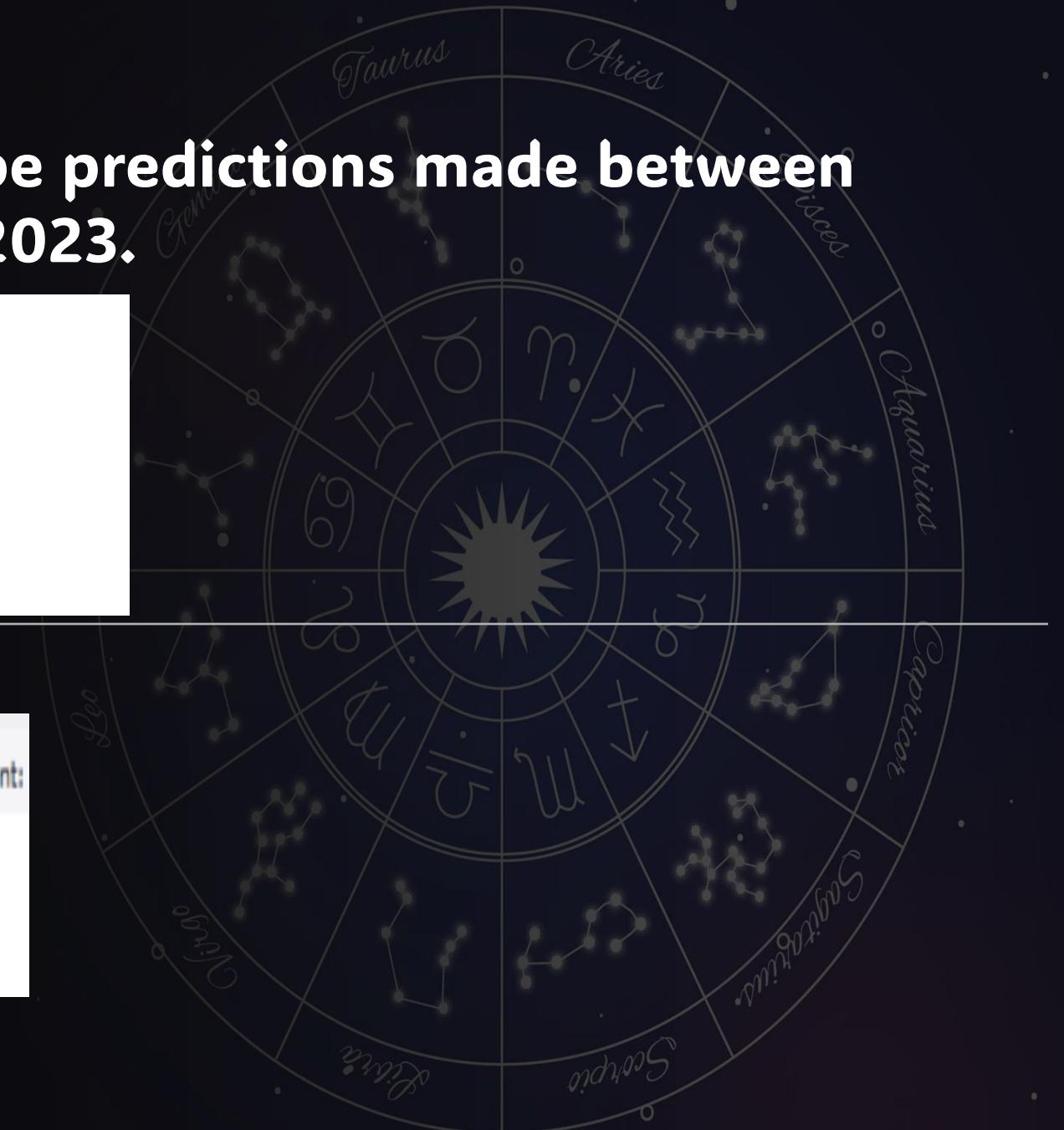


## Normal Queries:

**Question no. 2 : Find all horoscope predictions made between January 1, 2023, and March 31, 2023.**

```
• SELECT prediction, category, date FROM Horoscope
 WHERE date BETWEEN '2023-01-01' AND '2023-03-31';
```

| prediction                         | category | date       |
|------------------------------------|----------|------------|
| Take time for personal reflection. | Health   | 2023-02-27 |

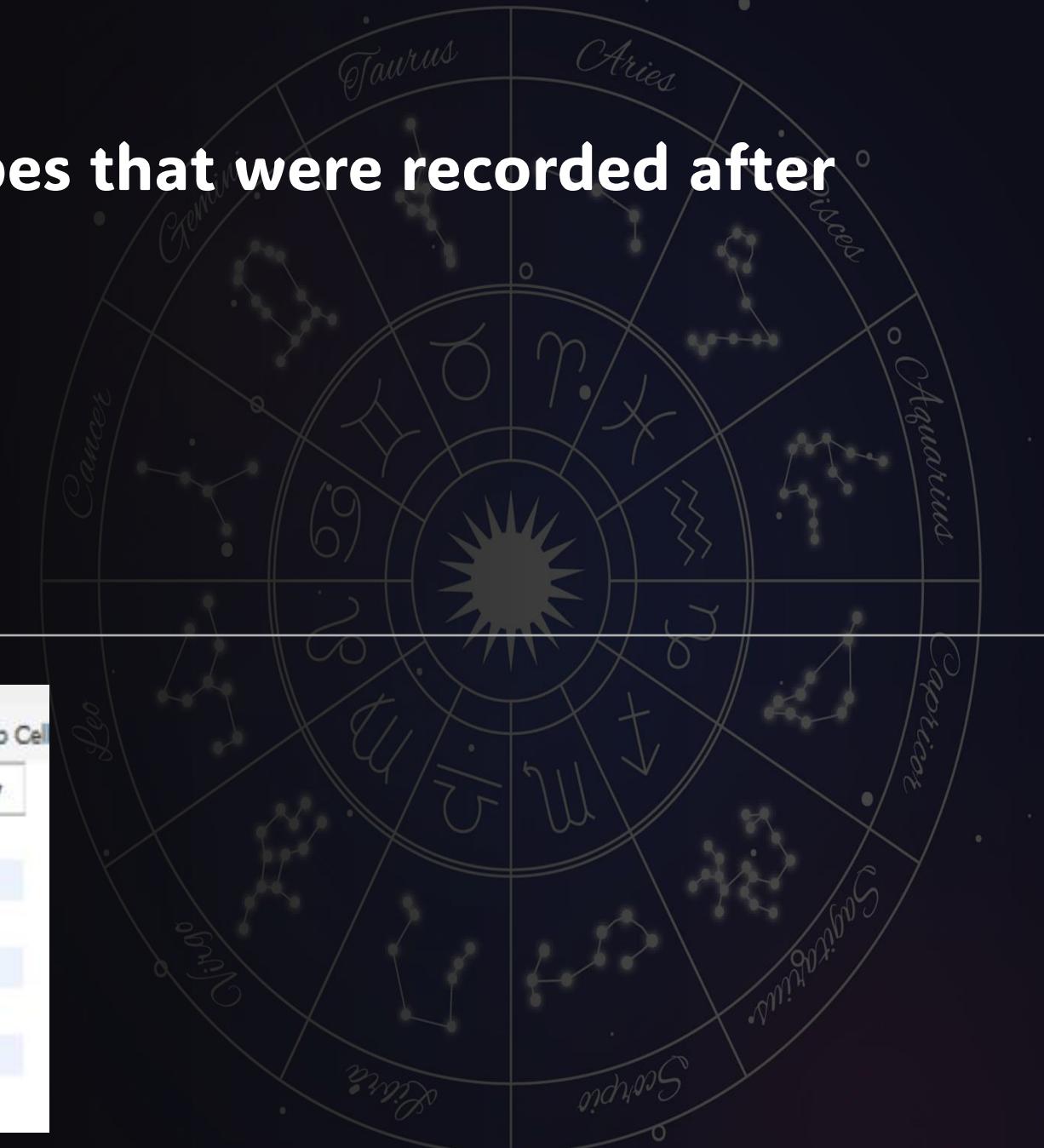


# Normal Queries:

**Question no. 3 : Find all horoscopes that were recorded after August 3, 2023.**

- ```
SELECT date, prediction, category
      FROM Horoscope
     WHERE date > '2023-08-03'
   ORDER BY DATE;
```

	date	prediction	category
▶	2023-08-04	take a break and focus on self-care. Your energy levels are high, and you have the...	Health
	2023-08-04	a new opportunity in your career might arise. Stay open to new ideas and...	Career
	2023-08-04	communication will be your strength today. Use your words to express your...	Love
	2023-08-23	Today is a great day for new beginnings. Embrace change and embrace the...	Career
	2023-09-21	You may encounter unexpected opportunities. Be flexible and ready to...	Love
	2024-09-03	Today is a great day for new beginnings. Embrace change and embrace the...	Career

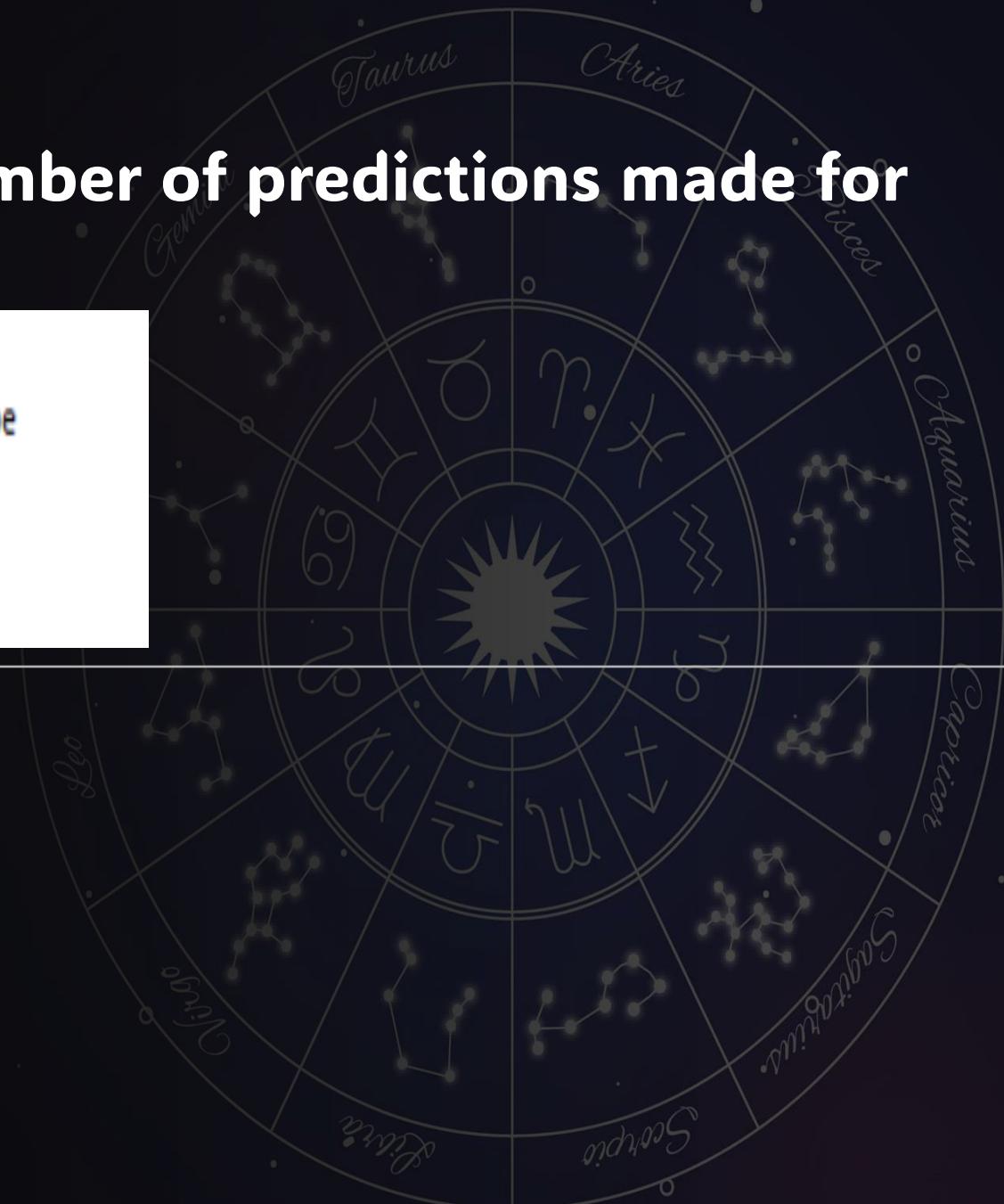


Normal Queries:

Question no. 4 : Find the total number of predictions made for the "Health" category.

- ```
SELECT count(*) AS Total_prediction, category FROM horoscope
WHERE category = 'health';
```

|   | Total_prediction | category |
|---|------------------|----------|
| ▶ | 10               | Health   |



# Normal Queries:

**Question no. 5 : Find the sum of all degrees for planetary positions that occurred after July 1, 2023.**

- ```
SELECT SUM(degree) AS Total_sum_of_Degree
FROM planetary_Position
WHERE date > '2023-07-01';
```

Total_sum_of_Degree
97.10

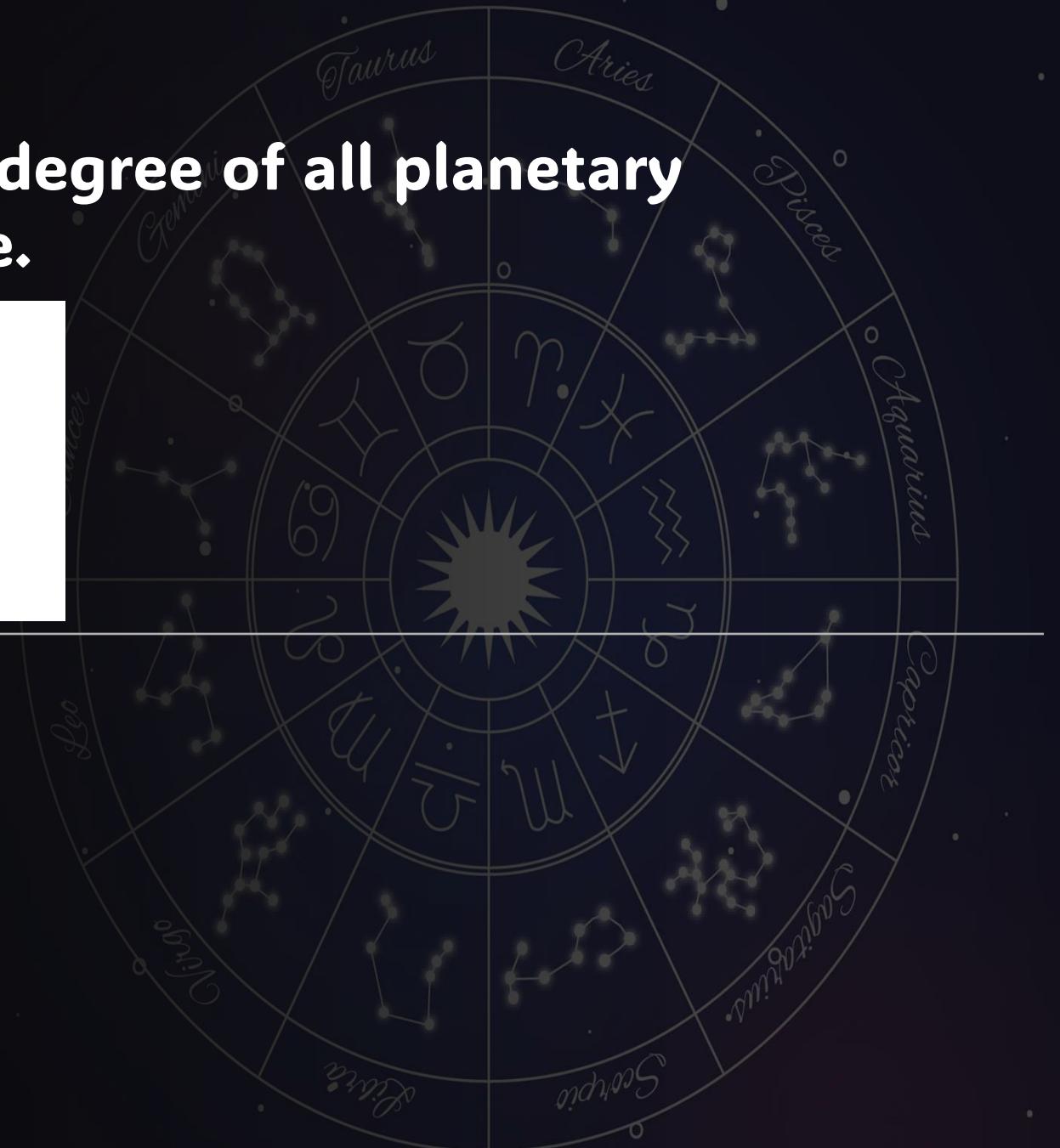


Normal Queries:

Question no. 6 : Find the average degree of all planetary positions that are not retrograde.

- ```
SELECT AVG(degree) AS Avg_Degree_of_not_Retrograde
FROM Planetary_Position
WHERE retrograde = 0;
```

| Result Grid                  |              |
|------------------------------|--------------|
|                              | Filter Rows: |
| Avg_Degree_of_not_Retrograde | 15.325000    |

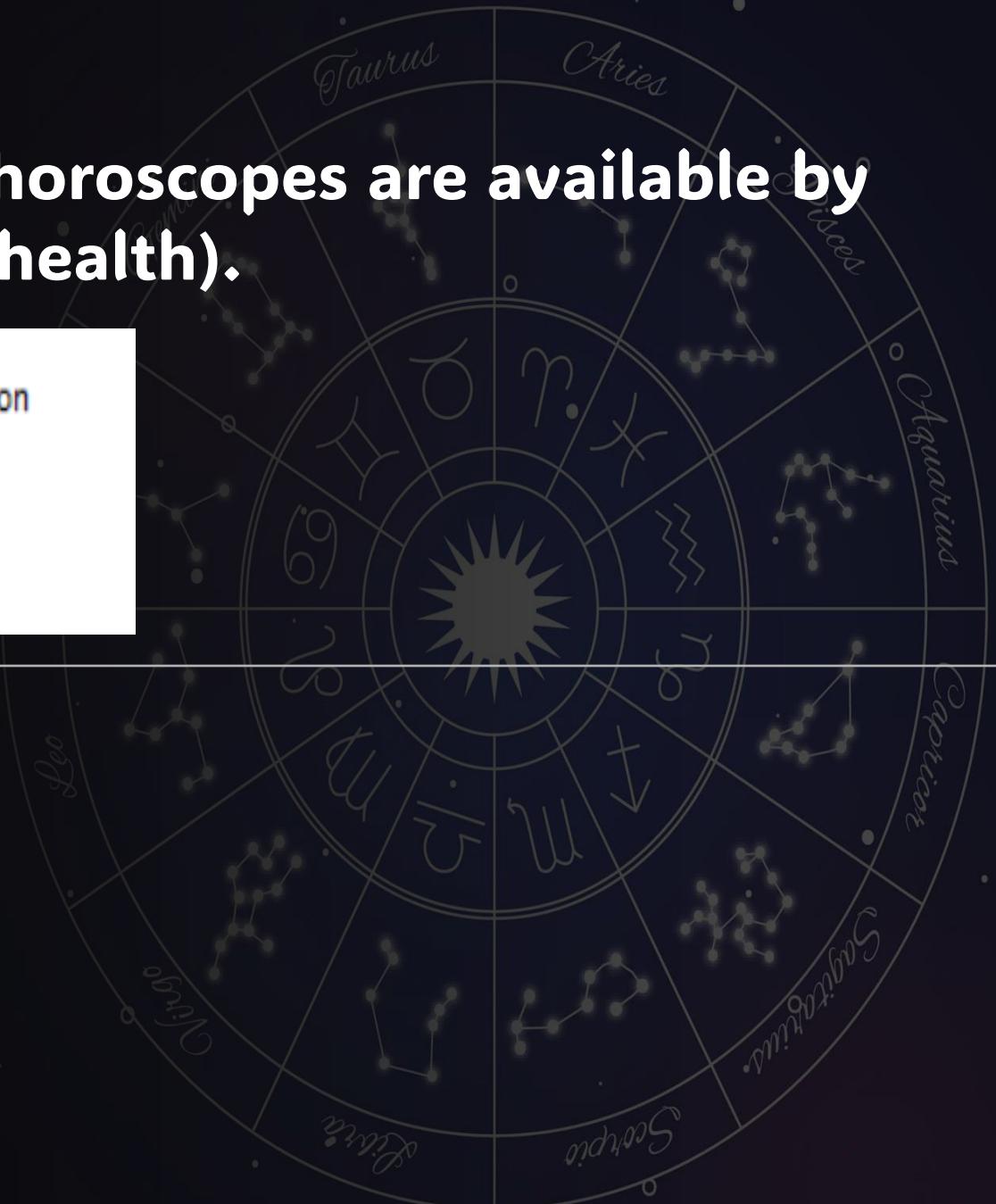


## Normal Queries:

**Question no. 7 : Count how many horoscopes are available by each category (e.g., love, career, health).**

- ```
SELECT category, count(*) AS Total_num_of_prediction
FROM horoscope
GROUP BY category;
```

category	Total_num_of_prediction
Career	16
Love	12
Health	10



GitHub Repository:

The image shows a GitHub repository page for a project named "SQL-Project-Horoscope-Hub-A-Zodiac-Sign-Planetary-Database".

Repository Details:

- Owner: mehulchafekar
- Name: SQL-Project-Horoscope-Hub-A-Zodiac-Sign-Planetary-Database
- Status: Public
- Code tab is selected.
- Issues, Pull requests, Actions, Projects, Wiki, Security, Insights, and Settings tabs are also present.

Commit History:

- mehulchafekar (2 commits ago): Add files via upload
- (Initial commit) (23 minutes ago): README.md
- (Add files via upload) (2 minutes ago): horoscope_hub project file.sql

About Section:

This SQL Project: Horoscope Hub: A Zodiac Sign & Planetary Database presents a comprehensive relational database designed to explore astrological patterns, including zodiac signs, planetary positions, birth charts, and horoscopes.

Activity:

- Readme
- Activity
- 0 stars
- 1 watching
- 0 forks

Releases:

Conclusion

- **Horoscope Hub** merges the timeless practice of astrology with modern database technology, creating an efficient platform for storing, managing, and analyzing astrological data.
- By leveraging SQL, the project offers a powerful tool for exploring the relationships between planets, zodiac signs, and horoscopes.
- The well-structured database enables seamless retrieval of personalized birth charts and daily predictions, making astrological analysis more accessible and data-driven.
- With its scalable design, **Horoscope Hub** sets a foundation for future enhancements, offering endless possibilities for deeper exploration into astrological insights.



THANK YOU!



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mehulchafekar@gmail.com



<https://github.com/mehulchafekar/SQL-Project-Horoscope-Hub-A-Zodiac-Sign-Planetary-Database>