Union and UnionAll

Both are Intersect two table.But Union neglect duplicate Records.UnionAll combile all data.

ANSI-Standare Sql join

Inner join,Right join,Left join,full join.

For a table orders having a column defined simply as customer\_id VARCHAR(100), consider the following two query results:

SELECT count(\*) AS total FROM orders;

+-------+

| total |

+-------+

| 100 |

+-------+

SELECT count(\*) AS cust\_123\_total FROM orders WHERE customer\_id = '123';

+----------------+

| cust\_123\_total |

+----------------+

| 15 |

+----------------+

Given the above query results, what will be the result of the query below?

SELECT count(\*) AS cust\_not\_123\_total FROM orders WHERE customer\_id <> '123';

Ans: 85

What will be the result of the query below? Explain your answer and provide a version that behaves correctly.

select case when null = null then 'Yup' else 'Nope' end as Result;

Ans: null = null is syntax error (null is null)

Given the following tables:

sql> SELECT \* FROM runners;

+----+--------------+

| id | name |

+----+--------------+

| 1 | John Doe |

| 2 | Jane Doe |

| 3 | Alice Jones |

| 4 | Bobby Louis |

| 5 | Lisa Romero |

+----+--------------+

sql> SELECT \* FROM races;

+----+----------------+-----------+

| id | event | winner\_id |

+----+----------------+-----------+

| 1 | 100 meter dash | 2 |

| 2 | 500 meter dash | 3 |

| 3 | cross-country | 2 |

| 4 | triathalon | NULL |

+----+----------------+-----------+

What will be the result of the query below?

SELECT \* FROM runners WHERE id NOT IN (SELECT winner\_id FROM races)

Ans: 5 Lisa Romero

CREATE TABLE dbo.envelope(id int, user\_id int);

CREATE TABLE dbo.docs(idnum int, pageseq int, doctext varchar(100));

INSERT INTO dbo.envelope VALUES

(1,1),

(2,2),

(3,3);

INSERT INTO dbo.docs(idnum,pageseq) VALUES

(1,5),

(2,6),

(null,0);

What will the result be from the following query:

UPDATE docs SET doctext=pageseq FROM docs INNER JOIN envelope ON envelope.id=docs.idnum

WHERE EXISTS (

SELECT 1 FROM dbo.docs

WHERE id=envelope.id

);

Ans idnum pageseq doctext

1 5 5

2 6 6

NULL 0 NULL

What is wrong with this SQL query? Correct it so it executes properly.

SELECT Id, YEAR(BillingDate) AS BillingYear

FROM Invoices

WHERE BillingYear >= 2010;

Ans:select Id, Year(BillingDate) as BillingYear from Invoice where Year(BillingDate)>=2010

Given these contents of the Customers table:

Id Name ReferredBy

1 John Doe NULL

2 Jane Smith NULL

3 Anne Jenkins 2

4 Eric Branford NULL

5 Pat Richards 1

6 Alice Barnes 2

Here is a query written to return the list of customers not referred by Jane Smith:

SELECT Name FROM Customers WHERE ReferredBy <> 2;

What will be the result of the query? Why? What would be a better way to write it?

Ans: Result comes all data except the rows which contain Referredby=2