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\*

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/\* 1. The purpose of the WHERE clause is to limit the result set and to

filter the rows in the base table so that only the rows you need are retrieved.

The WHERE Clause condition results in either true, false, or null.

The condition can be made up of a column of any data type, a literal, a number,

a function, a mathematical computation, or any combination of the above. \*/

--2. All invoices where the vendor id equals 34

SELECT \* --correct

FROM ap.invoices

WHERE vendor\_id = 34;

--3. All invoices where total of the invoice is $356.48

SELECT invoice\_id --correct

FROM ap.invoices

WHERE invoice\_total = 356.48;

--4. All invoices, vendor id is either 81, 82, or 90. Use the IN operator.

SELECT invoice\_id, invoice\_number, invoice\_date --correct

FROM ap.invoices

WHERE vendor\_id IN (81, 82, 90);

--5. All invoices where the vendor id is less than or equal to 44.

SELECT invoice\_id, vendor\_id --correct

FROM ap.invoices

WHERE vendor\_id <= 44 ;

--6. All invoices where the credit total is not equal to zero.

SELECT invoice\_id, vendor\_id, credit\_total --correct but doesnt match with example

FROM ap.invoices

WHERE credit\_total <> 0 ;

--7. All invoices where the invoice date is equal to May 1, 2008.

SELECT invoice\_id, invoice\_date --correct but adds one more row than the example

FROM ap.invoices

Where invoice\_date = '01-MAY-08';

--8. All invoices where payment total is between 100 and 115, Inclusive.

SELECT invoice\_id, invoice\_date, payment\_total --correct

FROM ap.invoices

WHERE payment\_total BETWEEN '100' and '115';

/\*9. All invoices where invoice date is between May 1, 2008 and May 8, 2008,

inclusive, use between operator. \*/

SELECT invoice\_id, invoice\_date --correct 15 rows

FROM ap.invoices

WHERE invoice\_date BETWEEN '01-MAY-08' AND '08-MAY-08';

--10. All invoices where invoice number starts with a capital P.

SELECT invoice\_id, invoice\_number --correct

FROM ap.invoices

WHERE invoice\_number LIKE 'P%';

/\*11. All invoices, invoice number starts with a Capital P followed by a

dash followed by a 3.\*/

SELECT invoice\_id, invoice\_number --not right

FROM ap.invoices

WHERE invoice\_number LIKE 'P-3%';

--12. All invoices, invoice number ends with a –X (dash followed by a capital X)

SELECT invoice\_id, invoice\_number --not right

FROM ap.invoices

WHERE invoice\_number LIKE '%–X';

--13. All invoices, invoice number does not start with or end with a double 7.

SELECT invoice\_id, invoice\_number --not right

FROM ap.invoices

WHERE invoice\_number NOT LIKE '77%77';

/\*14. All invoices, invoice number has a zero as the second

character and a 3 as the fourth.\*/

SELECT invoice\_id, invoice\_number --correct

FROM ap.invoices

WHERE invoice\_number LIKE '\_0\_3\_%';

--15. All invoices where the payment date contains a null value.

SELECT invoice\_id, payment\_date --correct 40 rows

FROM ap.invoices

WHERE payment\_date IS NULL;

--16. All invoices where payement date does not contain a null value.

SELECT invoice\_id, payment\_date --correct

FROM ap.invoices

WHERE payment\_date IS NOT NULL;

--17. All invoices, payment total is zero and invoice total is greater than $100.

SELECT invoice\_id, payment\_total, invoice\_total --correct

FROM ap.invoices

WHERE payment\_total = 0 AND invoice\_total > 100;

/\* 18. All invoices, payment total is between zero and 25, inclusive

or the invoice total is greater than 100. \*/

SELECT invoice\_id, payment\_total, invoice\_total --correct

FROM ap.invoices

WHERE payment\_total BETWEEN 0 AND 25 OR invoice\_total > 100;

--19. All invoices, terms id is not 1 or 2 or 3 or 4. USE IN operator.

SELECT invoice\_id, terms\_id --correct

FROM ap.invoices

WHERE terms\_id NOT IN (1, 2, 3, 4);

/\* 20. All invoices, invoice date is either May 1, 2008 or May 17, 2008 and

payment total amount is zero. Must use the OR and AND operators. \*/

SELECT invoice\_id, invoice\_date, payment\_total --not right

FROM ap.invoices

WHERE invoice\_date = '01-MAY-08' OR '17-MAY-08'

AND payment\_total = 0;