**Bitwise Operators:**

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1) Bitwise and (&)

2) Bitwise or (|)

3) Bitwise Xor (^)

4) Bitwise complement (~)

5) Left shift operator (<<)

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-> Binary operator

Syntax:

data << n

here:

n --> number of times that we need to perform the left shift operation

-> data can convert into binary

after that the bits of the data can shift from right to left bit by bit and the vacant at LSB can fill with '0'.

Here:

right most bit binary data ==> LSB (Least significant bit)

left most bit ==> MSB (Most significant bit)

Ex: 0b1010101

here: right most '1' ==> LSB

left most '1' ==> MSB

Ex: 10 << 2

10 --> convert into binary ==> 0b1010

after the conversion,

from LSB (Right most bit) can shift one bit to previous then that previous bit can shift to next previous bit, this can be repeat until the LSB. After shifting of all the bits the vacant at LSB can fill with '0'

Note:

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Because of left-shift operation, the value can be doubled for every time.

6) Right shift operator (>>)

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-> Binary operator

Syntax:

data >> n

i) data can convert into binary

ii) the bits from MSB (left most bit) can start shift towards LSB bit by bit.

iii) while the shifting/traversing the old LSB bit can discard.

iv) fill the MSB with '0'

Note:

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because of the right shift operation, data can half every time.

Query:

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**Write a SQL query to delete the data/record of the table?**

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delete command

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-> it is one of the DML command

used to delete all records of the table or also used to delete the specific record.

-> delete command we can use in two ways:

1) without any condition

2) with specified condition

1) without any condition:

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Syntax:

delete from <table-name>;

here: all the rows of the table can be deleted.

2) with condition:

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Syntax:

delete from <table-name> where <condition>;

here:

by using this command we can delete the specific record from the table.

Q: What happened when the specified condition is not matching with the table columns while delete?

Ans: zero rows deleted