

## Bit masking and merging

- These operations are performed using bitwise operations
- The process of setting one of the bit as 1 in all zeros is called Merging

Ex :

A ->     0    0    0    0    0    0    0    0    0    0

B ->     0    0    0    0    0    0    1    0    0    0

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a = A | B    0    0    0    0    0    0    1    0    0    0

A -> 8        0    0    0    0    1    0    0    0

B=64 ->     0    1    0    0    1    0    0    0

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a = A | B        0    1    0    0    1    0    0    0

- **Masking** means you are hiding all the bits and showing only particular bits