# PERCEPTRON

* Equation :- Wx + B where B is bias and W are weights = + B
* Wx+B >=0 => y=1 or else y=0.
* We can turn logical operators into perceptrons

# PERCEPTRON ALGORITHM

1. Start with random weights and bias
2. For every misclassified point(x1…xn):
3. If prediction =0 => wi=wi + alpha\*xi and b= b+ alpha
4. If prediction =1 => wi=wi – alpha\*xi and b=b – alpha
5. Repeat it until it is properly classified or till minimum error