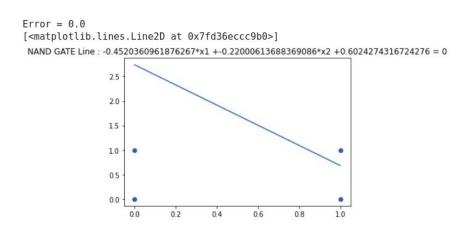
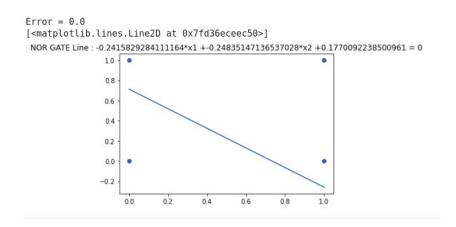
## **ANN1** Assignment

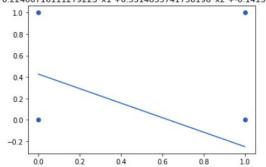
Q2. How you will verify your trained algorithms? Justify your solution

I have verified the trained algorithm by drawing the decision boundary using the trained weights that is the line with equation w1\*x1 + w2\*x2 + B = 0. This line divides the x-y plane into 2 halves . First w1\*x1 + w2\*x2 + B>0 and w1\*x1 + w2\*x2 + B<0 which signifies the two classes - 1 and 0.





Error = 0.0 [<matplotlib.lines.Line2D at 0x7fd36e9454a8>] OR GATE Line: 0.22406716111279223\*x1 +0.3314835741758198\*x2 +-0.1413043105158603 = 0



Error = 0.0
[<matplotlib.lines.Line2D at 0x7fd372987ac8>]

