Important Detail concepts.

→ Precission

Let's ex. we have Data set.
a. binary data set, where we have the number of 0 are 900 and
Number of 1 are 100.
so we will have total data points 1000.

0: 900
1: 100 → 1000.

so this kind of Data set where our out put has huge diffence. we called it imbalanced Data set.

Note: Always Remember one thing that in indirect datased we can not apply direct accuracy. [accuracy formula].

Note: gren Data set have 90% accuracy. so in the case we don't apply accuracy

so for prevent that we use different P- Matrix, which is precisions.

→ Formula: Precission = $\frac{TP}{TP+FP}$

Let's creat an other confusion Matrix.

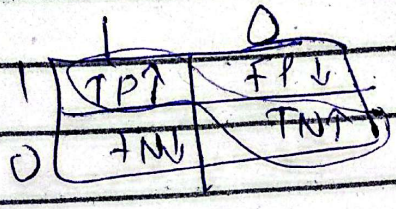
TP	FP
FN	TN

→ Precision:- state that out of all the predicted results. how many are the correctly predicted.

Mtlb saary predicted results mai sai kitna correctly pridictly result har

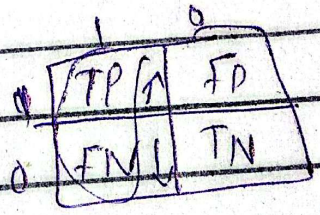
Note:- in confusion Matrix our aim is to TP ko increase karna our TN ko increase karna.

baaki ko decrese karna.



⇒ Recall:-

$$\text{Recall} = \frac{TP}{TP + FN}$$



Def → out of all the actual results, how many are the correctly predicted results.

so in this we have to reduce the False Negative.