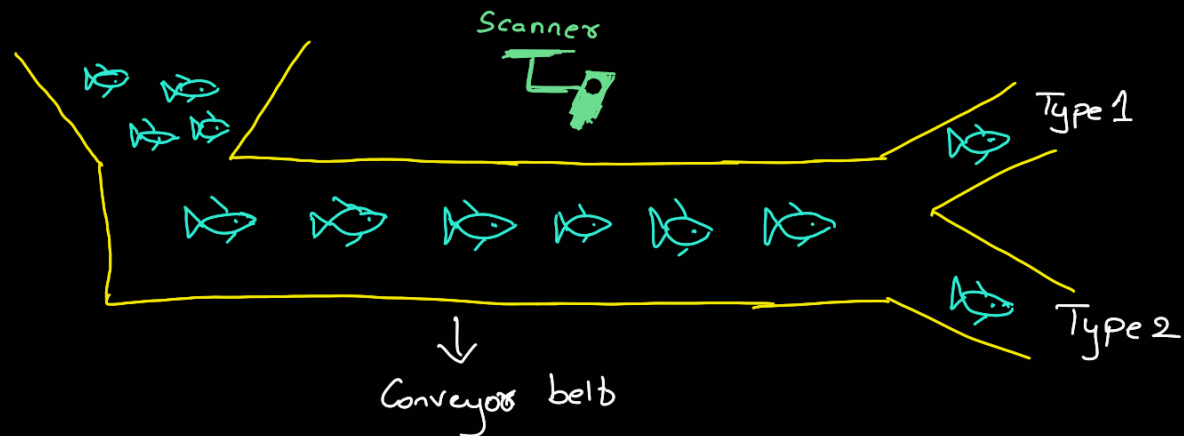# Real-world ML problem:

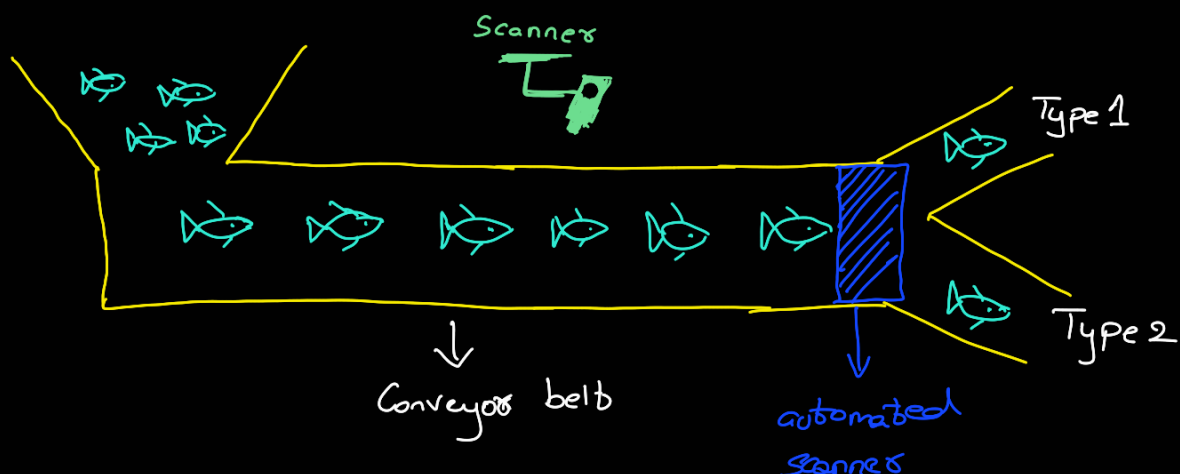## Sorting and Seperating Fish:

lets assume that fishermen catch fish which belongs to either of type 1 or type 2. Now seperating this fish from each other is very labour intensive and they need to have expertise
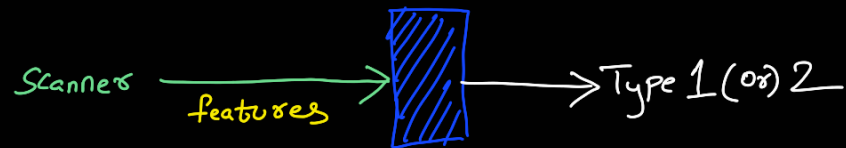
↓

which is costly

Can we somehow automate this?

Lets assume that the scanner placed above the conveyer belt will give us the following 3 properties of each fish

length, width, height

↓

features.

Scanner ——features——→ [blue box] ——→ Type 1 (or) 2

Binary Classification

If the classification problem has more than 2 classes it is called as multi-class classification.

A simillar example is used in manufacturing plants for identifying faulty and well-made items.