Problem Statement:

The difficulty of visual pattern recognition becomes apparent if you attempt to write a computer program to recognize digits . What seems easy when we do it ourselves suddenly becomes extremely difficult. Simple intuitions about how we recognize shapes - "nepali 1 or 9 has a loop at the top, and a vertical stroke in the bottom right" - turn out to be not so simple to express algorithmically. When you try to make such rules precise, you quickly get lost in a morass of exceptions and caveats and special cases. It seems hopeless.

Objectives:

To implementing a neural network that learns to recognize handwritten digits