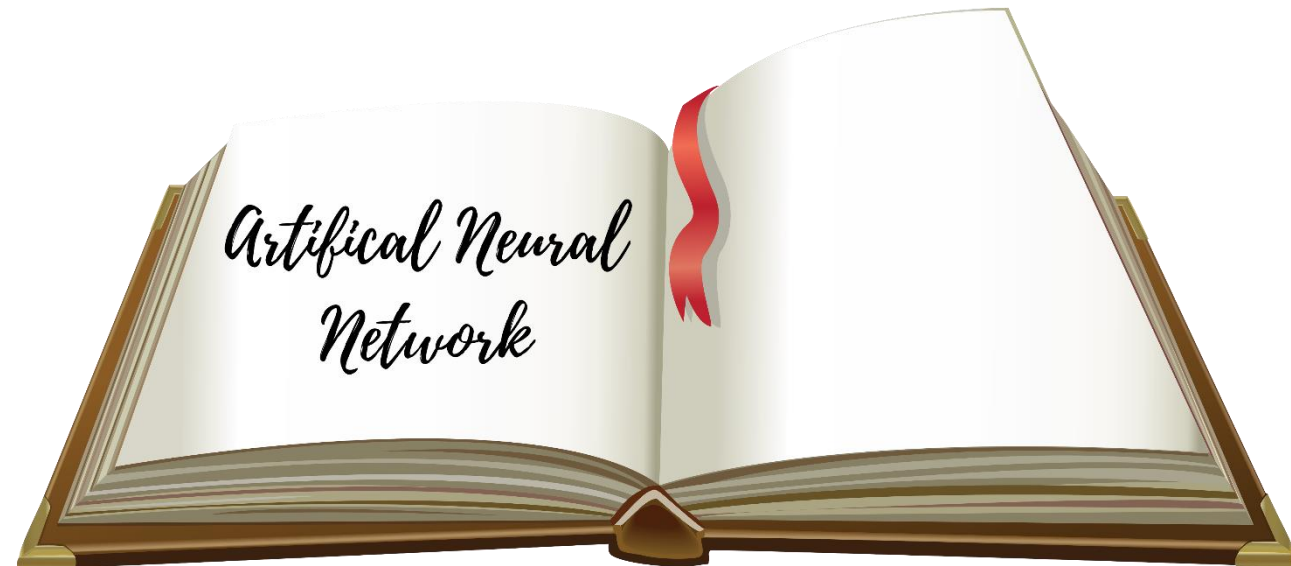# Implementation of Artificial Neural Network

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Content

- About Artificial Neural Network (ANN)
- How Neural Network Works.
- Implementation of Neural Network using Python
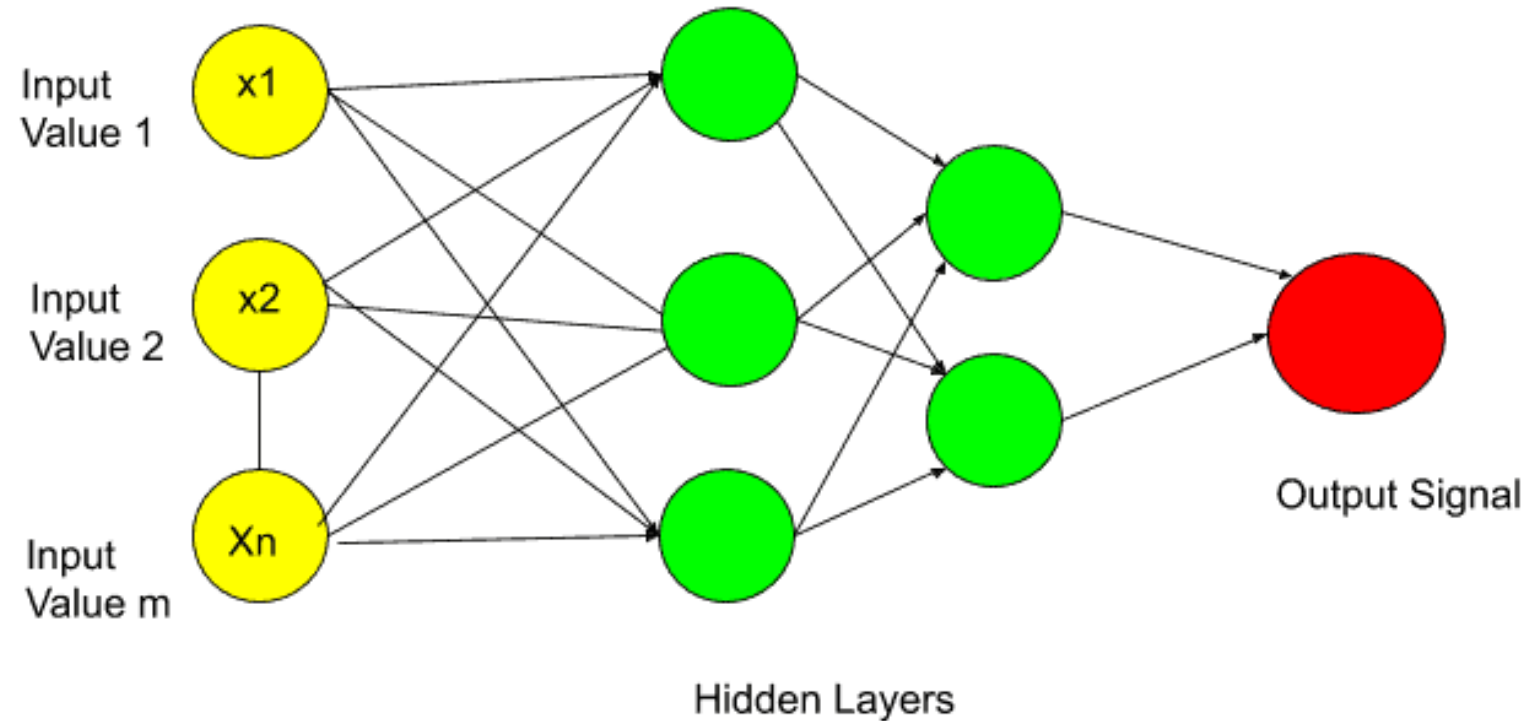
Artificial Neural Network?

- Artificial Neural Network is much similar to the human brain.

- The human Brain consist of neurons. These neurons are connected with each other.

- When you touch the hot surface, how you suddenly remove your hand?. This is the procedure that happens inside you. Your skin sends a signal to the neuron. And then the neuron takes a decision, *"Remove your hand".*

- So that's all about the Human Brain. In the same way, *Artificial Neural Network* works.

- ANN is built with fully connected layers. Artificial Neural Network has three main layers

1). Input Layer.

2). Hidden Layer.

3). Output Layer.

Implementation

- Google Colab.

- Programing Language- Python.

- Dataset- Churn Modelling Data. This data set contains details of a bank's customers and the target variable is a binary variable reflecting the fact whether the customer left the bank (closed his account) or he continues to be a customer.