



Engineer / Yousef Diab

Robot Communication Simulation using
C Programming
(A Practical Approach to industrial revolution .4)

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What is a Neural Network ?

A neural network is a simulation to the animal(human is a form) Neural Network of the nerves , it simulates the exchange of the data between cells to understand situations and make predictions and more.

A human brain runs on enormous amount of cells that's interconnected through Synapses , these synapses exchange data in high speed to make certain tasks.

These tasks are like sensing , feeling , participating in the environment.

Let's change these feelings into a robotic form :

1-Perceiving

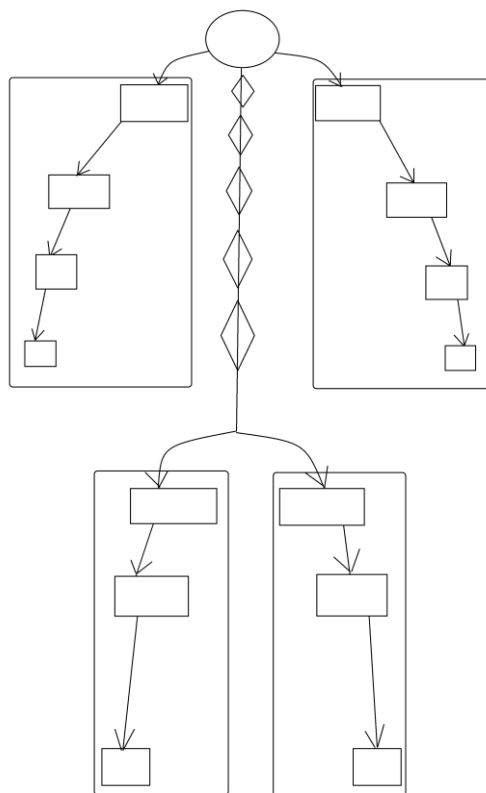
2-Acting

Perceiving:

Taking data , understanding them through weighing...

Acting :

Taking actions through knowledge (Today's Workshop)



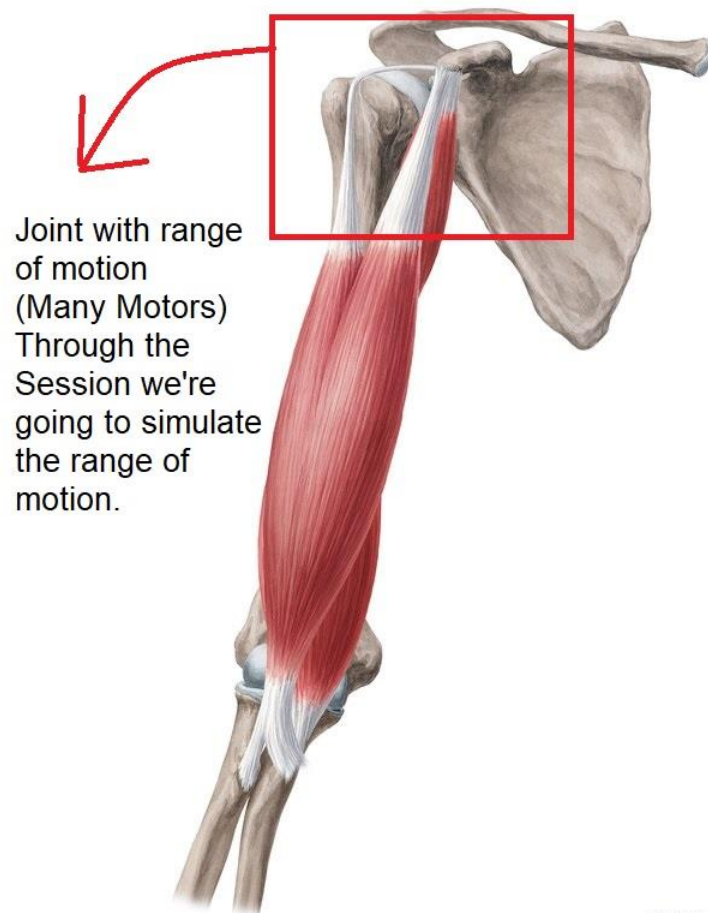
Each Joint has specific Data for Communication :

-Volt

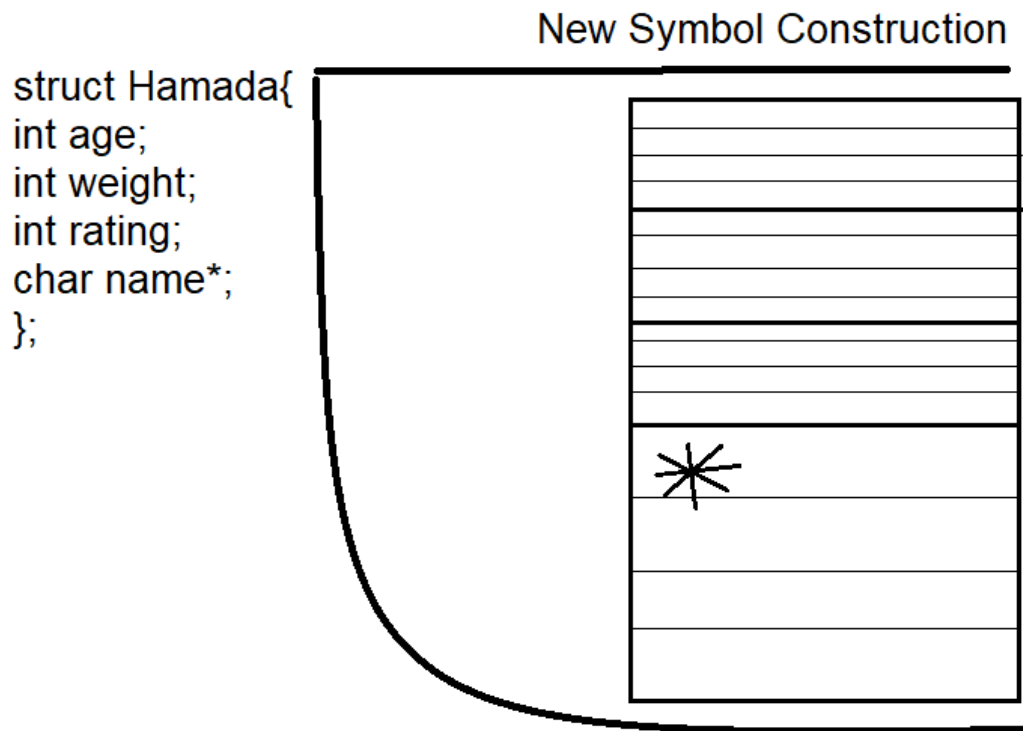
-Degree

-Pointer for the Communication

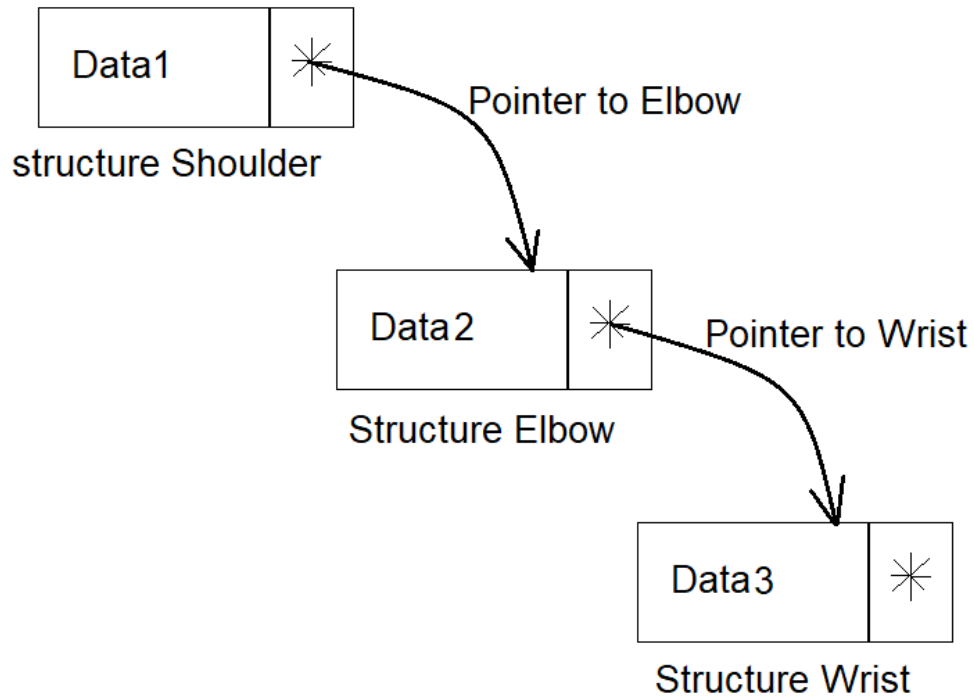
(Wired or Wireless)



What is a structure ?



ARM Representation



Coding Part

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