

DS Assignment 1 Report

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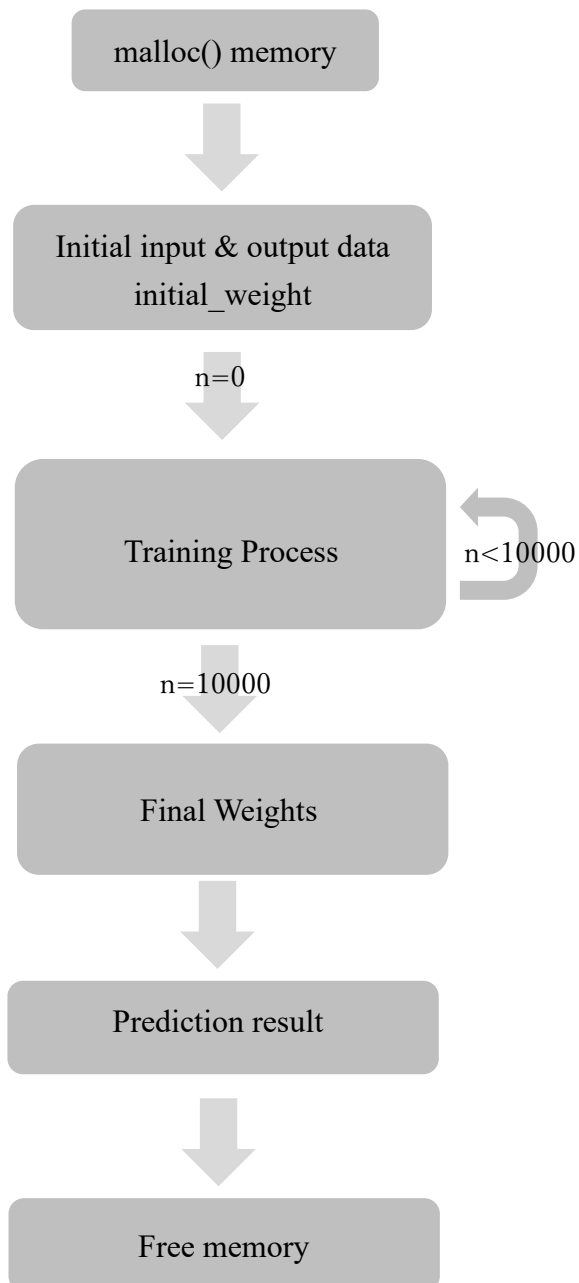
1. Build Guide

➤ `gcc assignment_108501537_1.c -lm`

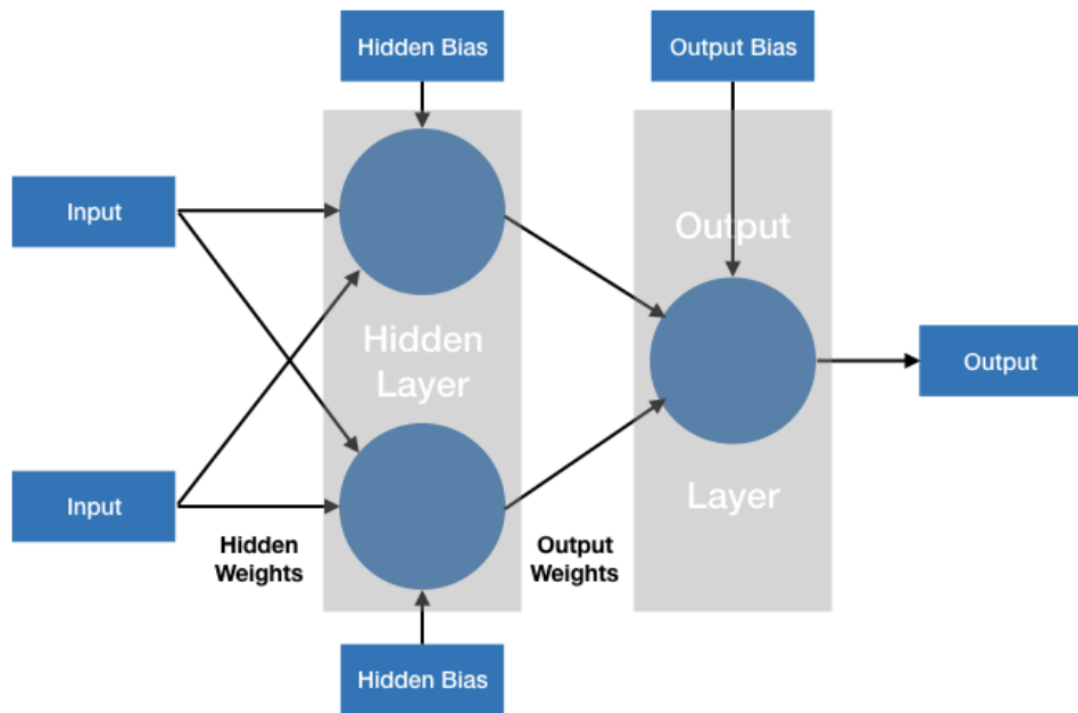
2. Execute Guide

➤ `./a.out`

3. Flowchart



4. System Architecture



5. Function Introduction

- `initial_data(training_inputs , training_outputs);`
//初始化訓練資料
- `initial_weight(hiddenWeights, hiddenLayerBias, outputWeights, outputLayerBias);`
//初始化權重
- `Change_TrainingSetOrder(trainingSetOrder);`
//改變訓練順序
- `Training_Process(trainingSetOrder, hiddenLayerBias, training_inputs,`
`hiddenWeights, hiddenLayer, outputLayerBias,`
`outputWeights, outputLayer, training_outputs);`
//訓練過程
- `Print_Final_Weights(hiddenWeights,hiddenLayerBias,outputWeights,outputLayerBias);`
//印出最後之權重
- `prediction_result(hiddenWeights, hiddenLayerBias, outputWeights, outputLayerBias);`
//結果預測