**Pseudo code for ANN Regression**

1. Initialize the weights and biases of the network randomly.

2. Set the learning rate and maximum number of epochs.

3. For each epoch:

a. Shuffle the training set.

b. For each input x in the training set:

i. Feed the input forward through the network to obtain the output y\_hat.

ii. Compute the error between the predicted output and the actual output.

iii. Back propagate the error through the network to update the weights and biases.

c. Calculate the accuracy of the network on the validation set.

d. If the accuracy is above a threshold, stop training and return the network.

4. Return the trained network.

To use the trained ANN for regression, you would use the following steps:

1. Load the saved model

2. Prepare the input data

3. Make predictions

4. Evaluate the predictions

5. Visualize the results.

Note that the specific details of the ANN architecture, activation functions, loss function, and optimization algorithm may vary depending on the problem and data at hand.

The above pseudo code provides a general framework for training an ANN for Regression, but it may need to be adapted to suit the specific requirements of the task.