For neural net with 1 hidden layer of 100 neuron and output of 1:

Epochs:100

training loss:1.2751247347275088
testing loss:1.6103415879463783
testing Accuracy:0.7908438061041293

Epochs:200

training loss:0.5703964450400117
testing loss:0.6705025335600037
testing Accuracy:0.8411131059245961

Epochs:300

training loss:0.34337054373323866
testing loss:0.3987921904219474
testing Accuracy:0.874326750448833

Epochs:400

training loss:0.30346764447972596
testing loss:0.38282800752570784
testing Accuracy:0.8895870736086176

Epochs:500

training loss:0.2889537059015024
testing loss:0.3922148702023339
testing Accuracy:0.8949730700179533

Epochs:600

training loss:0.2965602158983794
testing loss:0.38139992786641785
testing Accuracy:0.8904847396768402

Epochs:700

training loss:0.22068262353634277
testing loss:0.3788456339566827
testing Accuracy:0.8904847396768402

For neural net with 2 hidden layer of 100 neuron each and output of 2 neurons:

Epochs:100

training loss:-0.5038754278667579
testing loss:-0.40819016301904293
testing Accuracy:0.8636037329504667

Epochs:200

training loss:-0.2477127231327055
testing loss:-0.3725235163500521
testing Accuracy:0.8837042354630295

Epochs:300

training loss:-0.29435879568631873
testing loss:-0.39457870289619895
testing Accuracy:0.8844221105527639

Epochs:400

training loss:-0.5355233037096668
testing loss:-0.45292192042739454
testing Accuracy:0.867910983488873

Epochs:500

training loss:-0.2996718455081585
testing loss:-0.5101836231453754
testing Accuracy:0.8664752333094041

Epochs:600

training loss:-0.5258788466666388
testing loss:-0.5929260898041002
testing Accuracy:0.8607322325915291

Epochs:700

training loss:-0.49993485121352665
testing loss:-0.6839359626897066
testing Accuracy:0.8650394831299354