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LAB002

001.when number of iterations is 100

A screenshot of a computer program

Description automatically generated

When number of iterations is 1000

A screenshot of a computer program

Description automatically generated

When number of iterations is 10000

A screenshot of a computer program

Description automatically generated

Therefore,the error has reduced with the increase in number of epochs.So we can conclude that accuracy has increased.

002. it seems that increasing the number of hidden units initially improved accuracy, but there was a point where it plateaued or even slightly decreased. This behavior is common when adding more capacity than necessary for a given task, resulting in overfitting or not significantly improving performance.

Accuracy for 1 hidden units: 67.5 %

Accuracy for 2 hidden units: 67.25 %

Accuracy for 3 hidden units: 90.75 %

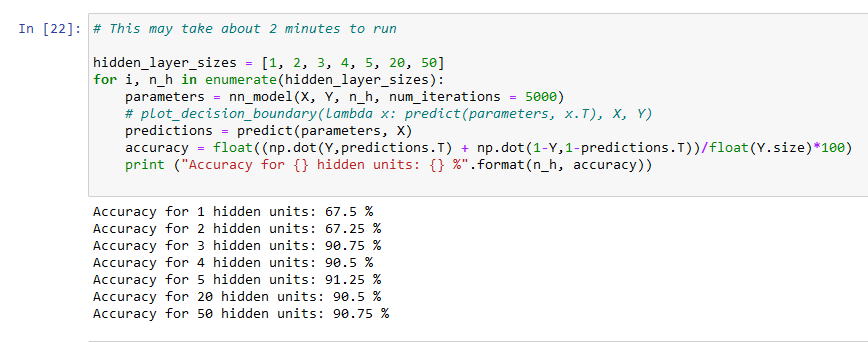
Accuracy for 4 hidden units: 90.5 %

Accuracy for 5 hidden units: 91.25 %

Accuracy for 20 hidden units: 90.5 %

Accuracy for 50 hidden units: 90.75 %

003..



A screenshot of a computer code

Description automatically generated

A computer screen shot of a program

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