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Standard SGD, SGD with Momentum and NAG implementation in python:  
  
Comparision graph:

A picture containing text, screenshot, diagram, line

Description automatically generated

The blue line represents the performance of SGD. It shows how the loss decreases over iterations using this algorithm.

The orange line represents the performance of SGD with momentum. This line shows how graph decreases faster compared to SGD, which means better convergence.

The green line represents Nesterov accelerated SGD. This line shows even faster convergence and a lower final loss compared to both Standard SGD and SGD with momentum.

NAG performs better than other two optimization algorithms.