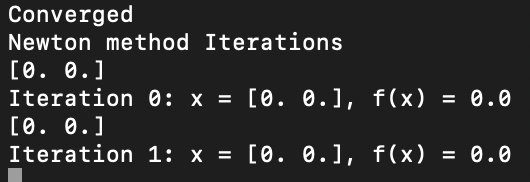
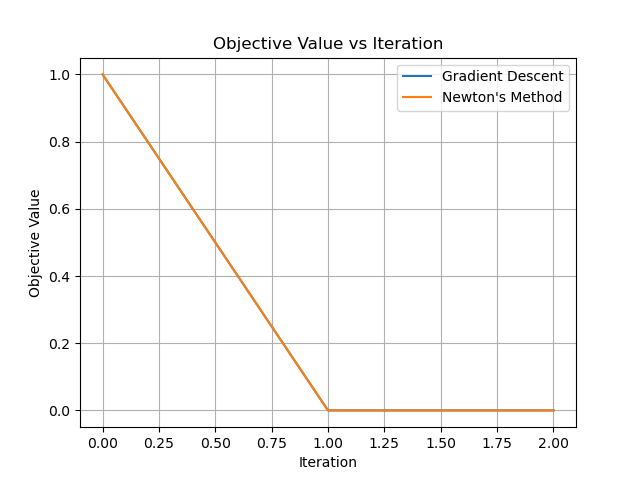
Adam Abro – 806842

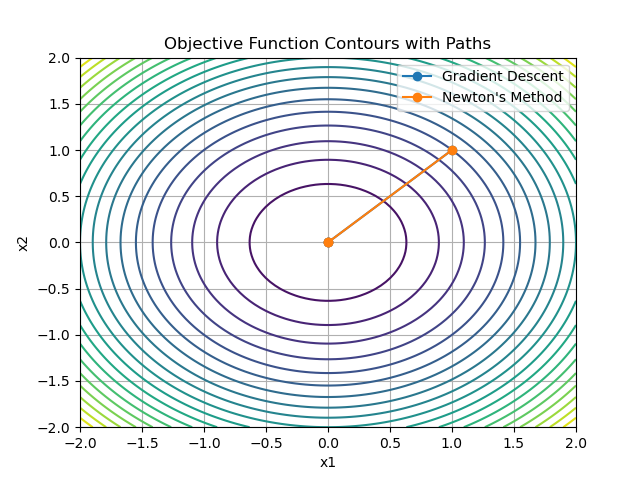
Numerical Optimization- Programming HW1

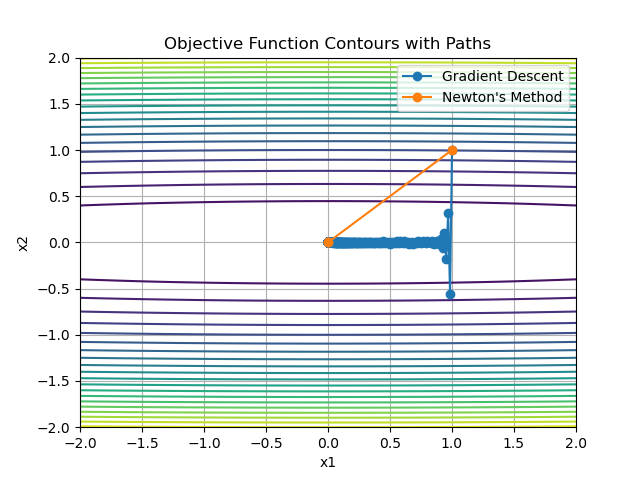
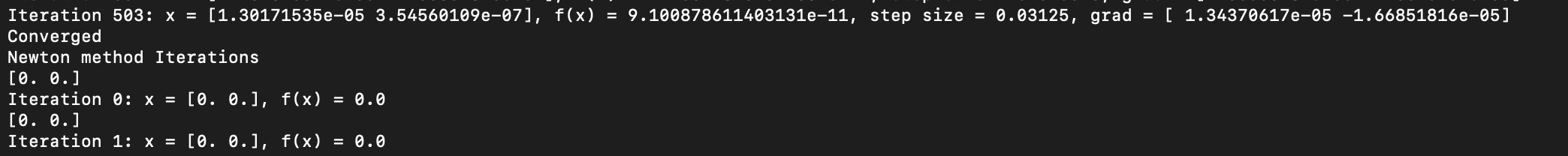
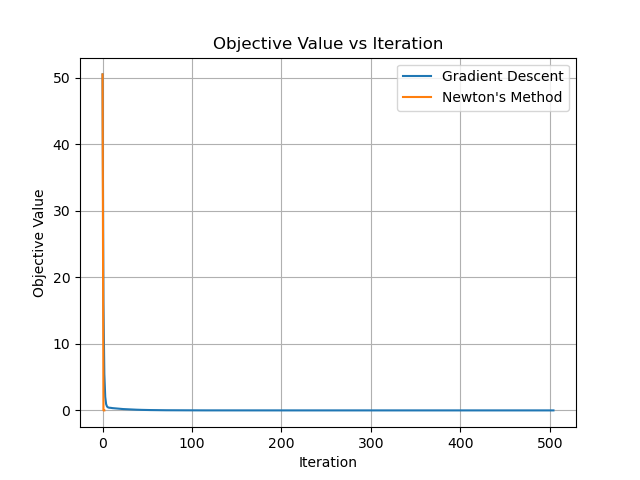
Report:

I had an issue with my gradient descent where for some of the functions I could not make under 100 iterations. The other error I had was that I was not able to get the linear example to work.

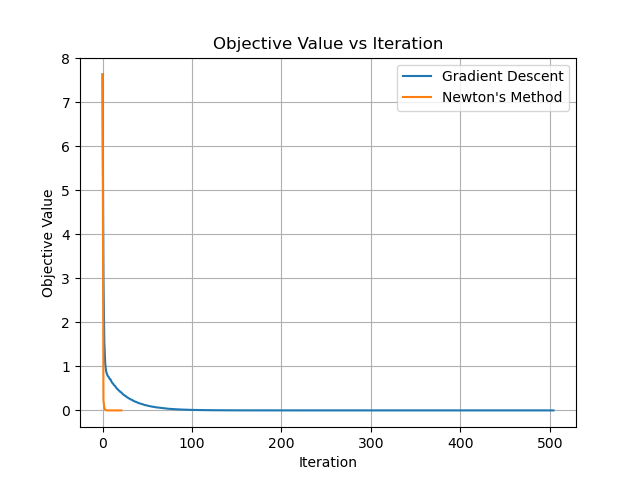
Quadratic Example 1:

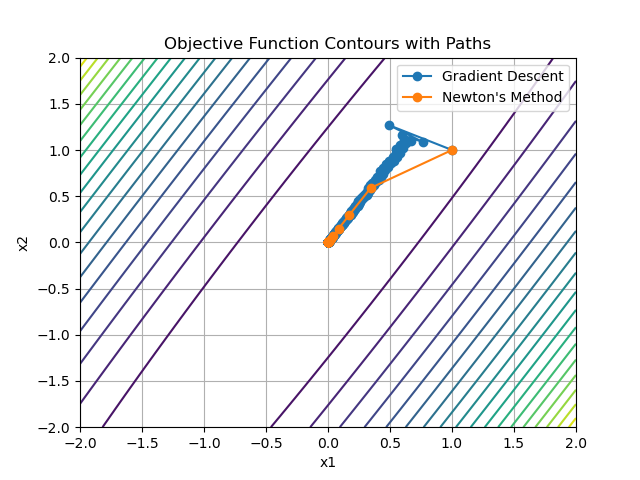


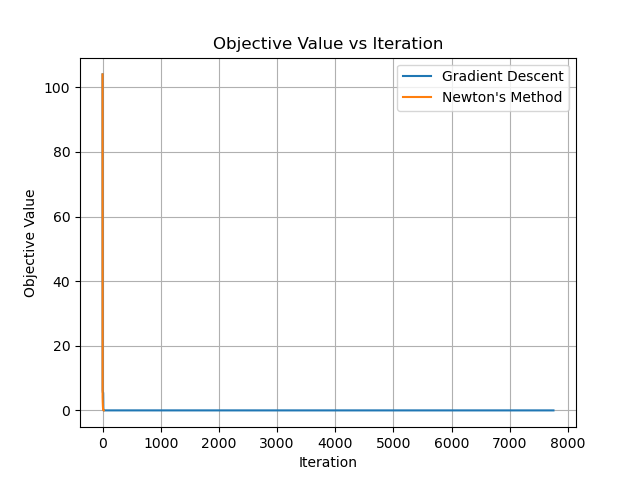


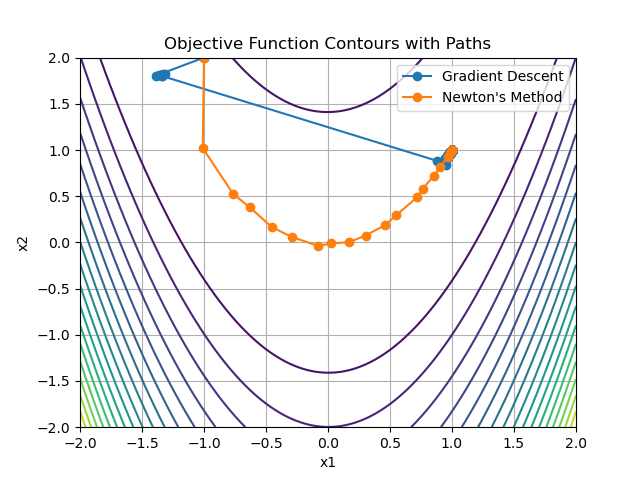
Quadratic Example 2: 

Quadratic Example 3:





Rosenbrock



Linear Example:



Boyds:



