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5-2 Milestone Four: Enhancement Three: Databases

CS-499-T6571 Computer Science Capstone 20EW6

For this milestone I have chosen to showcase how files can be implemented into database management so that the person working with the database can call multiple commands at once instead of having to write and call each command individually. The artifact I am Using is a .py file that I created in another database management course. It uses the python language and showcases several common commands that would be used to manipulate a database. It also showcases the CRUD method for database management by using the create, read, update, and delete commands used by everyone who works with database.

I chose this artifact because it allowed me to be able to use the python language and MongoDB terminal within the Codio environment and show how to take simple python commands and implement them into a .py file to run multiple commands at once. I have been able to demonstrate how creating a .py file can provide better functionality when working with databases in certain scenarios like needing different information from the same location. This is also an enhancement in my opinion because although writing single commands in the terminal interface is functional, multiple commands, or more complex commands are easier to write and implement when written in a .py file.

I believe I have been able to meet the course objectives for this milestone because I have been able to showcase how implementing a file is more efficient than writing commands individually. This was what I outlined in the initial enhancements submission and I believe I was able to accomplish what I set out to do at the beginning of the semester. While working with the content for this milestone, I noticed that you could create a file for almost any programming language you want to work with. This means that a person could implement this technique across multiple platforms and database management software. All-in-all I believe I was able to meet the requirements of this milestone and I have been able to showcase the benefits of using a file to call database commands.

The screenshot below shows how to call the file once you are logged into the terminal and validates that each command has executed successfully.

