Intro2big-data homework for MongoDB

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• Deadline: 04/02(Sun) 0:00

• Format: Submit your homework to the course e-learning platform.

1 Question and answer

- 1. (100 points) Goal: to practice one NoSQL database: MongoDB.
 - The dataset contains 4 classes, 4 students, and grades. For this dataset, you need to transform it as least two MongoDB documents.
 - To assess MongoDB Atlas and create an account. User name is your id. Use the Atlas UI (via a browser) to create **one** document for the dataset.
 - To create a python code with PyMongo library to finish the following tasks:
 - to insert other documents.
 - to print all the data in your MongoDB (including the document created by the Atlas UI) .
 - to query students who took the course named "Home fusion made easy", and to query Jennifer's grade on the course named "Learn SQL for fun and profit."
- 2. One setting you should know: In order to let TA access your MongoDB databse, please set "allow access from anywhere" in the PyMongo connection settings. Please see the button with a red recangle in Fig 1.
- 3. Submit your .py file and other files if any to the e-learning platform. Please make sure TA can reproduce your results.
- 4. Reference:
 - Course slide

Connect to MainCluster

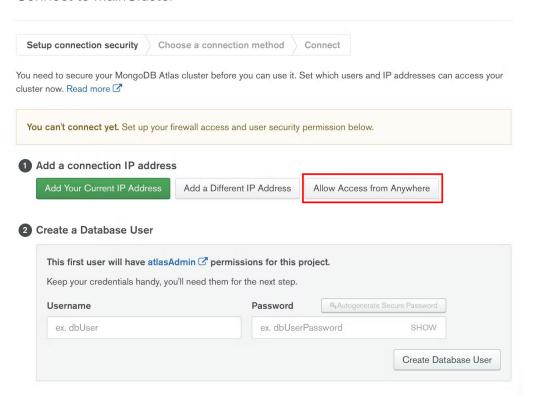


Figure 1: The screenshot of PyMongo connection settings