Create a new database called student\_management.

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Description automatically generated

1. Create a collection called students in the student\_management database.



1. Insert at least five student records into the students collection. Each record should have the following fields:

* student\_id (integer)
* name (string)
* age (integer)
* department (string)
* courses (array of strings)
* grade (string)

A screen shot of a computer program

Description automatically generated

* 1. Query the Collection:

Write queries to perform the following tasks:

* Retrieve all students who are in the "Computer Science" department.

A computer screen shot of text

Description automatically generated

* Retrieve students who have an age greater than 21.

A computer screen with text and numbers

Description automatically generated

* Retrieve students who are taking the "Database Systems" course.

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Description automatically generated

* Retrieve students with a grade of "A".

A computer screen shot of a black screen

Description automatically generated

* 1. **Update Documents:**
* Update the age of a student with student\_id 101 to 21.

A screen shot of a computer

Description automatically generated

* Add a new course, "Machine Learning", to the courses array for students in the "Computer Science" department.

A screen shot of a computer

Description automatically generated

* 1. **Delete Documents:**
* Delete a student record with student\_id 105.



* Delete all students who have a grade lower than "C".

