

Workshop 9: Group Practice Problem 1

write the console command that allows the users to use mongo DB in the shell.

Do not write the answer in this booklet. Use scratch paper to write your answer.

Workshop 9: Group Practice Problem 2

write a code that sends 404 error.

Do not write the answer in this booklet. Use scratch paper to write your answer.

Workshop 9: Group Practice Problem 1

Create a RESTful API for retrieving a collection of documents (create one for Cornell classes) and return a status code of 200 if successful or 404 if the resource isn't found.

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You are building an Express.js API with MongoDB.

Write a route for the endpoint:
GET /api/products/:id

Use:

1. Use route parameter to get ID
2. Validate the id is a valid MongoDB Object
3. Query products collection for document with that id.
4. Return
 - 200 OK + JSON document if found
 - 404 Not found if not found
 - 400 Invalid id.

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Describe the server functions that each HTTP request type is associated with and give an example of a GET request.

GET

POST

DELETE

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Implement a REST API endpoint in Express.js to look up a card based on their id.

```
[
  {
    id: '6908.....',
    name: 'galaxy',
    imgUrl: '/galaxy.png'
  },
  ...
]
```

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Using best practices, write a RESTful API that sends a 204 status with NO JSON response if an action (i.e. find) is successfully performed, and 404 if unsuccessful or object's ID's does not exist.

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Implement a Rest API endpoint in Express.js for a todo list based on a task title.

```
[
  {
    "id": 42,
    "title": "Finish Homework",
    "completed": true
  }
]
```

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Write all HTTP requests (in correct order)

```
...  
<head>  
<body>  
  <h1>My photo page</h1>  
    
  <script src="/scripts/app.js"></script>  
</body>  
</html>
```

Implement a REST API endpoint in

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Using the MongoDB shell format, find the object with the id: "4412379".

Using the MongoDB Node.js driver format, find the same object above.

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Write each HTTP request that a web browser would make to render the page:

index.html:

```
<!DOCTYPE HTML>
<html>
  <head>
    <script src="/main.js"></script>
    <style>
      {
        font-family: sans-serif;
      }
    </style>
  </head>
  <body>
    <p> Birds </p>
    
    
  </body>
</html>
```

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implement a REST API endpoint in Express.js to look up an array of events (and their information) from the events collection that occur on a particular date (HINT: we use date objects)

```
[
  {
    "title": "...",
    "date": new Date("..."),
    "description": "...",
    ...
  }
]
```

Workshop 9: Group Practice Problem 2

What is the difference between
a collection endpoint and a resource endpoint?

Do not write the answer in this booklet. Use scratch paper to write your answer.