

FIT2095 e-Business software technologies - S2 2021

[Dashboard](#) / [My units](#) / [FIT2095_S2_2021](#) / [Week 5](#) / [Week 5: Workshop Quiz](#)

Week 5: Workshop Quiz

Q1)

1. MongoDB is a document database. What are 'document' fields, and 'collection' in MongoDB?
2. MongoDB document is not a JSON object. Elaborate on this statement.

Q2)

Assume you have the following:

- db – is a reference to a database
- 'flights' – is a collection with the following fields:
 - flightDate,
 - from,
 - to,
 - airline,
 - cost

Do the following:

1. Retrieve the first 10 flights with 'VA' airline
2. Retrieve all flights between 'SA' and 'SYD' in an array format sorted by cost in descending order
3. Triple the cost of flights between 'SYD' and 'NT'
4. Delete all the flights with cost less than 300

Q3

Suppose you have the following HTML code:

```
<html>
  <body>
    <form action="/postbooking" method="post">
      <input type="text" name="source"/>
      <input type="text" name="target"/>
      <input type="text" name="airline"/>
      <input type="submit" value="New Booking"/>
    </form>
  </body>
</html>
```

Using Node.js, Express, and MongoDB, write a server-side code that accepts/handles the form's request and inserts a document into a collection named 'booking' in a database named 'agency' which is hosted by a machine with IP='10.152.168.99' and listens to port 68153.

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