

FIT2095 e-Business software technologies - S2 2021

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Week4: Workshop Quiz

Q1)

Given the following excerpt from a backend server, write a piece of code that is responsible for adding two key-value pairs for every new incoming request. The two pairs are:

unitCode:'FIT2095'

WeekNumber=4

```
const express = require("express");
const app = express();

// your code goes here

app.get("/", function (req, res) {
  res.send(
    `The unit code is ${req.unitCode} and we are in week ${req.weekNumber}`
  );
});

app.listen(8080);
```

PS: the backtick (``) characters are used to build a string template.

Q2)

In the following piece of code, briefly explain the role of 'action' and 'method' attributes in the form tag.

```
<html>
<body>
  <form action="/data" method="POST">
    User Name:
    <input type="text" name="username" /> </br>
    User Age:
    <input type="number" name="userage" /> </br>
    <button>Submit</button>
  </form>
</body>
</html>
```

Q3)

Rewrite app.js such that

1. Extracts value1 and value2 from the POST request that is sent by index.html on pathname='/findmax'
2. Responds back after rendering 'response.html'. The template shows the maximum value between value1 and value2

app.js

```
const express = require("express");
const app = express();

// your code goes here

app.use(function (req, res, next) {
  req.unitCode = "FIT2095";
  req.weekNumber = 4;
  next();
});
app.use(express.urlencoded({
  extended: true
}));
app.use(express.json());

//your code here

app.get("/", function (req, res) {
  res.sendFile(__dirname + "/index.html");
});

// your code here

app.listen(8080);
```

index.html

```
<html>
  <body>
    <form method="post" action="/findmax">
      Number 1<input name="value1" type="number" />
      Number 2<input name="value2" type="number" />
      <button type="submit">Submit</button>
    </form>
  </body>
</html>
```

response.html

```
<html>
  <body>
    The max value is <%= maxValue %>
  </body>
</html>
```

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