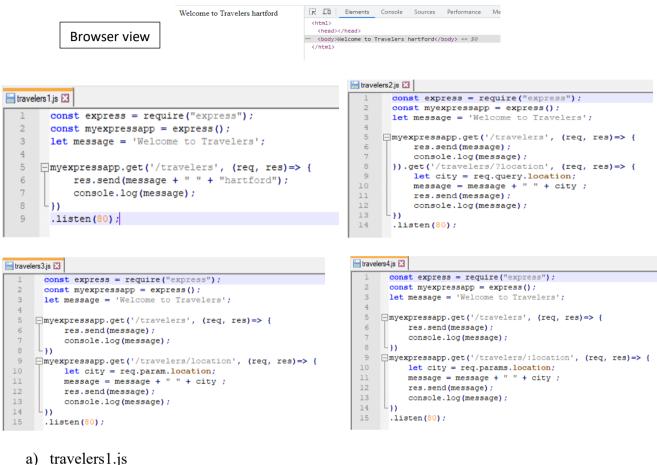
## **Travelers EDP Week 2 Review**

- 1. Which of the following statements are false about React? Select all that apply.
  - a) The command: *npx create-react-app myapp* may be used to create a react app with name myapp
  - b) There are two types of react components: functional components and class components
  - c) React component names always begin with a capital letter
  - d) React is an open-source Model-View-Controller application framework
  - e) None of the above
- 2. Which of the following statements are true in react environment? Select all that apply.
  - a) props can help to pass the data from one component to another component.
  - b) pure function is a function that always returns the same value for the same inputs.
  - c) A state is known as an internal storage of a component in React.
  - d) A state is known as an external storage of a component in React.
  - e) None of the above
- 3. What does a MongoDB collection consist of?
  - a) data
  - b) fields
  - c) documents
  - d) rows
  - e) None of the above
- 4. A MongoDB server instance running on localhost listening at port 27017, hosting a database called salesdb. Which of the following are valid URLs to connect to MongoDB database salesdb from JavaScript code?
  - a) mongodb://localhost/salesdb
  - b) mongodb://localhost:27017/salesdb
  - c) http://mongodb://localhost:27017/salesdb
  - d) mongodb://localhost:9999/salesdb
  - e) None of the above
- 5. Which of the following tools may be used to connect to PostgreSQL database instance and perform database operations? Select all that apply.
  - a) psql Command Line Interface
  - b) pgAdmin Graphical User Interface
  - c) DBeaver (Open-Source GUI tool)
  - d) You must write an application program to connect and perform database operations
  - e) None of the above

6. Which of the following express apps will display a message "Welcome to Travelers hartford" on the browser page and on the node console?



- b) travelers2.js
- c) travelers3.js
- d) travelers4.js
- e) None of the above
- 7. Given a MongoDB collection called customers, which of the following queries will return all customers with the name "Lisa"? Select all that apply.
  - a) db.customers.find("Lisa")
  - b) db.customers.find("name=Lisa")
  - c) db.customers.find(name: Lisa)
  - d) db.customers.find({name: 'Lisa'})
  - e) None of the above

- 8. Which of the following statements are true about Node.js?
  - a) Node.js uses a Single-threaded Event driven non-blocking file and network I/O
  - b) Node.js uses a configurable thread pool approach and supports non-blocking file and network I/O
  - c) Node.js uses a Single-threaded Event driven blocking file and network I/O
  - d) Node.js uses a configurable thread pool approach and supports blocking file and network I/O
  - e) None of the above
- 9. We are using a react component called **Customer**/> in our react application and use a boolean variable **accepted** that represents customer application acceptance state. Which of the following are valid JSX code? Select all that apply.
  - a) <div>{ if(accepted) <Customer/>}</div>
  - b) <div>{ accepted ? <Customer/>: null}</div>
  - c) <div>{ accepted && <Customer/>}</div>
  - d) <div>{ !accepted || <Customer/>}</div>
  - e) None of the above
- 10. Which of the following are true about PostgreSQL database? Select all that apply.
  - a) The default port number of PostgreSQL database instance is 5432
  - b) The default port number of PostgreSQL database instance is 27017
  - c) In PostgreSQL database, CREATE TABLE statements must define a primary key.
  - d) In PostgreSQL database, CREATE TABLE statements do not require a primary key.
  - e) None of the above
- 11. What are CRUD operations in database and REST services environment?
  - a) CREATE, REST, UPDATE, DISABLE
  - b) CREATE, READ, UPDATE, DELETE
  - c) CREATE, RUN, UPDATE, DELETE
  - d) CONFIGURE, RUN, UPLOAD, DELETE
  - e) None of the above
- 12. Which of the following MongoDB Shell commands returns all the documents in the collection **customers**?
  - a) db.customers.all()
  - b) db.find().customers()
  - c) db.customers.find()
  - d) db.customers.show()
  - e) None of the above

- 13. Which of the following statements are true? Select all that apply
  - a) Jest is an open-source JavaScript testing framework.
  - b) BDD is a development technique that focuses on creating simple scenarios on how an application should behave from the end user's perspective.
  - c) Node.js runs in a browser.
  - d) We use JSX code and transpile JSX code into ES5 JavaScript code in react because browsers cannot interpret JSX code.
  - e) None of the above
- 14. Which of the following MongoDB shell queries displays all customers with an age greater than or equal to 21?
  - a) db.customers.select('WHERE age >=21')
  - b) db.customers.where('age >= 21')
  - c) db.customers.find('WHERE age >=21')
  - d) db.customers.find({age: {\$gte: 21}})
  - e) None of the above
- 15. Which of the following statements are false? Select all that apply.
  - a) Unit tests should be applied before integration tests.
  - b) In JavaScript testing we use describe() function to combine tests into a test suite.
  - c) Code Coverage is a metric that indicates how much of a codebase has tests.
  - d) Code Coverage is a monitoring metric that indicates the health of the running application.
  - e) None of the above.
- 16. What is TDD an acronym for?
  - a) Test Data Determination
  - b) Test Data Development
  - c) Test Driven Development
  - d) Test Design Document
  - e) None of the above
- 17. Which of the following features of React help to improve performance?
  - a) Shadow DOM
  - b) Virtual DOM
  - c) Fake DOM
  - d) Real DOM
  - e) None of the above

18.	How many elements can a valid react component retu	rn?
	a) 2 or more	

- b) 1
- c) 1 or many
- d) 3
- e) None of the above
- 19. Which of the following is the smallest building block in a react application?
  - a) props
  - b) state
  - c) component
  - d) redux
  - e) None of the above
- 20. Which of the following functions is used to change the state of a react component?
  - a) this.state()
  - b) this.setState()
  - c) this.changeSetState()
  - d) We cannot change the state of a react component
  - e) None of the above