

Question 5

Answer saved

Marked out of 3

Flag
question

When you execute a query using java, you can look at the returned result as a table. The first attribute of the result(table) has index zero.

Select one:

- ☐ True
- ☒ False

Question 6

Answer saved

Marked out of 3

Flag
question

The part of Spring Boot application that is responsible of handling requests is

Select one:

- ☐ a. the pom file
- ☐ b. The main application
- ☐ c. The application properties file
- ☒ d. The Controller

Question 7

Answer saved

Marked out of 3

Flag
question

The connection string of a database contains the location of the database. This location is written as:

Select one:

- ☐ a. Server Name
- ☐ b. Database Path
- ☐ c. IP Address
- ☐ d. Database Name
- ☒ e. Server Name or IP Address

Question 8

Answer saved

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question

In a project, you have a "server" program and a "client" program:

- 1- The client connects to the server.
- 2- The server sends few numbers to the clients
- 3- The client calculates the sum of numbers and prints the sum

What kind of streams the client needs to obtain in this scenario?

Select one:

- ☒ a. One input stream
- ☐ b. One output stream
- ☐ c. One input stream and one output stream
- ☐ d. Two input streams

Question 9

Answer saved

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question

A server can offer many services. We can distinguish between them using:

Select one:

- ☐ a. IP Address
- ☒ b. Port Number
- ☐ c. Service Number

Question 10

Answer saved

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Flag
question

Suppose you have a request parameter named "mynum" which is sent from a form to a controller. The parameter is received in the controller using the following code. Which of the following code does not work

Select one:

- ☐ a. `public void mytask(@RequestParam(name="mynum") Integer n1)`
`{`
`.....`
`}`
- ☐ b. `public void mytask(@RequestParam(name="mynum") Integer num)`
`{`
`.....`
`}`
- ☒ c. `public void mytask(Integer mynum)`
`{`
`.....`
`}`
- ☐ d. `public void mytask(@RequestParam(name="num") Integer mynum)`
`{`
`.....`
`}`

Question 11

Answer saved

Marked out of 3

Flag
question

The Bootstrap class "col-md-offset-x" is used to

Select one:

- ☐ a. Specify the number of columns the component occupies
- ☐ b. Specify the number of rows after which the component is located
- ☒ c. Specify the number of columns after which the component is located
- ☐ d. Specify the number of cells the component occupies

Question 12

Answer saved

Marked out of 3

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question

HttpSession is used to

Select one:

- ☒ a. Track user activity within the time he spend using the website
- ☐ b. All choices are correct
- ☐ c. Store the data entered by a user in html form
- ☐ d. Track user activity between two pages in spring boot application

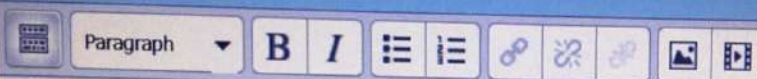
Question 13

Answer saved

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Flag
question

In networks, explain why we use port numbers.



- 1- To establish a connection to a server
- 2- To send and receive packets
- 3- To access a service on a server

Path: p

Question 14

Answer saved

Marked out of 3

Flag
question

The Bootstrap class that is used to display a beautiful error message is

Select one:

- ☐ a. Message
- ☐ b. Popup
- ☒ c. Alert
- ☐ d. ErrorMessage

Question 15

Answer saved

Marked out of 3

Flag
question

authors is a table that looks like the following:

id	name	age
43	Ahmad	36
54	Kamal	45
65	Sara	67
78	Dima	33

What is the output of the following code:

```
PreparedStatement pst = con.prepareStatement("select * from authors");
ResultSet rs = pst.executeQuery();
rs.absolute(4);
System.out.println(rs.getObject(1)+"\t"+rs.getObject(2)+"\t"+rs.getObject(3));
rs.relative(-2);
System.out.println(rs.getObject(1)+"\t"+rs.getObject(2)+"\t"+rs.getObject(3));
rs.previous();
System.out.println(rs.getObject(1)+"\t"+rs.getObject(2)+"\t"+rs.getObject(3));
```

Paragraph **B** *I*

78	Dima	33
54	Kamal	45
43	Ahmad	36

Question 16

Answer saved

Marked out of 3

Flag
question

One of the types of network connections is "connection oriented". It is implemented in java using:

Select one:

- ☒ a. Socket
- ☐ b. Datagram
- ☐ c. Open Connection
- ☐ d. packets

Question 17

Answer saved

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question

What does the statement "server.accept()" do?

Select one:

- ☐ a. waits for a client to disconnect
- ☐ b. waits for a new client to connect. The code that follows that statement is executed even if a client does not connect.
- ☒ c. waits for a new client to connect. The code that follows that statement is not executed until a client connects.
- ☐ d. initialize a new server

Question 1

Answer saved

Marked out of 3

Flag
question

Packets travel in a dedicated path in the following type of communication

Select one:

- ☐ a. Open Communication
- ☒ b. Connection Oriented
- ☐ c. Dedicated Communication
- ☐ d. Connectionless

Question 2

Answer saved

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Flag
question

In thymeleaf, you can dynamically initialize a list box with values coming from server using the following code

Select one:

- ☐ a. `<option th:each="{listName} : varName">`
- ☐ b. `<select th:each="varName: ${listName}">`
- ☐ c. `<select th:each="{listName} : varName">`
- ☒ d. `<option th:each="varName: ${listName}">`

Question 3

Answer saved

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Flag question

What does the following code do:

```
<div th:attr="data-toggle=${#fields.hasErrors('title')}?'popover'></div>
```

Select one:

- ☐ a. Show error message if the title field has errors
- ☐ b. set the value of the data-toggle attribute to popover if errors do not exist in the title field
- ☐ c. Show error message if the title field does not have errors
- ☒ d. set the value of the data-toggle attribute to popover if errors exist in the title field

Question 4

Answer saved

Marked out of 3

Flag question

Compare the two types of connections "Connection oriented" and "Connectionless" communication?

Paragraph **B** **I**

Connection-Oriented :

- 1- Only one connection is established between client and server
- 2- Data flows in the channel in a continuous stream
- 3- Packets arrive in order
- 4- Low Probability of packet loss
- 5- Protocol used : TCP
- 6- Programmed using "Sockets"

Connection-less :

- 1- Packets can go through multiple communication channels
- 2- Packets are not guaranteed to arrive in order
- 3- Packets can be lost or duplicated