



FIT2095 e-Business software technologies - S2 2021

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Question 1

Correct

Mark 1.00 out of 1.00

Which of the following options is false with respect to Google Cloud Services?

Select one:

- ☐ a. It has a billing mechanism called pay as you go
- ☐ b. can be accessed via code or CLI
- ☐ c. the service's infrastructure is fully managed by Google
- ☒ d. It is only available in Node.js



Your answer is correct.

The correct answer is: It is only available in Node.js

Question 2

Correct

Mark 1.00 out of 1.00

```
this.socket.emit("newMsg", this.messageText);
```

With respect to the statement above which is excerpted from pp.component.ts, what is the role of "newMsg"

Select one:

- ☐ a. the message
- ☐ b. confirmation text
- ☒ c. name of the event
- ☐ d. name of the server



Your answer is correct.

The correct answer is: name of the event

Question 3

Correct

Mark 1.00 out of 1.00

What datatype can Socket.io emit?

Select one:

- ☐ a. number
- ☐ b. objects
- ☒ c. Any serializable data structures can be emitted.
- ☐ d. strings



Your answer is correct.

The correct answer is: Any serializable data structures can be emitted.

Question 4

Correct

Mark 1.00 out of 1.00

Socket.io is attached to an instance of ---

Select one:

- ☐ a. express app
- ☐ b. http object
- ☐ c. http.socket
- ☒ d. http.server



Your answer is correct.

The correct answer is: http.server

Question 5

Correct

Mark 1.00 out of 1.00

Set the environment variable `GOOGLE_APPLICATION_CREDENTIALS` to the file path of the JSON file that contains your service account key.

What does the service account key contain?

Select one:

Select one:

- ☐ a. account public key
- ☒ b. account private key
- ☐ c. Account user name and email only
- ☐ d. account unique ID only



Your answer is correct.

The correct answer is: account private key

Question 6

Correct

Mark 1.00 out of 1.00

```
client.synthesizeSpeech(request, (err, response) => {  
  }  
}
```

With respect to the code above which converts a text to a speech, what is the datatype of 'request'?

Select one:

- ☐ a. array of characters
- ☒ b. string
- ☐ c. function
- ☐ d. Object



Your answer is correct.

The correct answers are: Object, string

Question 7

Incorrect

Mark 0.00 out of 1.00

```
io.on("connection",function(socket){  
  //Your code  
})
```

With respect to the code above which is excerpted from the server side, the input parameter **socket** represents:

Select one:

- ☒ a. response object
- ☐ b. a common endpoint socket to all the connections
- ☐ c. a socket to a new client
- ☐ d. the server's socket



Your answer is incorrect.

The correct answer is: a socket to a new client

Question 8

Correct

Mark 1.00 out of 1.00

Socket.io uses heartbeat mechanism to:

Select one:

- ☐ a. New connection detection
- ☐ b. Messages delivery detection
- ☐ c. Network delay detection
- ☒ d. Disconnection detection



Your answer is correct.

The correct answer is: Disconnection detection

Question 9

Correct

Mark 1.00 out of 1.00

```
io.sockets.emit("anotherEventName", data);
```

With respect to the statement above which is excerpted from the server side, the data will be delivered to:

Select one:

- ☐ a. to a group of clients
- ☒ b. all the clients currently connected to the server
- ☐ c. new connections only
- ☐ d. Single client



Your answer is correct.

The correct answer is: all the clients currently connected to the server

Question 10

Correct

Mark 1.00 out of 1.00

To emit a message to all clients except sender, the server has to use:

Select one:

- ☐ a. io.sockets.broadcast.emit()
- ☐ b. socket.to('clients').emit()
- ☒ c. socket.broadcast.emit()
- ☐ d. sockets.emit()



Your answer is correct.

The correct answers are: `socket.broadcast.emit()`, `sockets.emit()`

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