

Started on	Saturday, 9 October 2021, 5:56 PM
State	Finished
Completed on	Saturday, 9 October 2021, 5:59 PM
Time taken	2 mins 13 secs
Grade	10.00 out of 10.00 (100%)

What datatype can Socket.io emit?

Select one:

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

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

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

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

Select one:

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

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

Socket.io uses heartbeat mechanism to:

Select one:

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

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

Select one:

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

```
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:

- ☐ a. account unique ID only
- ☐ b. Account user name and email only

- ☐ c. account public key
- ☒ d. account private key

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

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. sockets.emit()
- ☒ d. socket.broadcast.emit()

◀ Week 10 Pre-Reading Quiz

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Lab Week 2 ▶