

FIT2095 e-Business software technologies - S2 2021

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Week 11- workshop quiz

Q1) What are the datatype and the role of param1 and param2? Provide an example. (6m)

```
io.sockets.emit(param1,param2);
```

Q2) What are the datatype and the role of param3 and param4? Provide an example. (6m)

```
io.on(param3,param4);
```

Q3) Suppose you are developing a Node.js application that uses Google Text-to-Speech service. Briefly explain how does your application use the key JSON file to access Google cloud services. (5m)

Q4) Develop a server-side application using Node.js and Socket.io that: (14m)

1. Listens to all socket.io connection requests on port 9595
2. With each new connection, the server broadcasts to all connected clients except the sender the id of the new socket using an event named 'newSocketID'.
3. Listens to a socket event named 'values', which arrives with an object contains two integers no1 and no2.
4. Calculates result=no1-no2
5. Broadcasts a new object contains the three values no1, no2 and result to all clients including the sender using an event named 'newResult'.

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