FIT2095 e-Business software technologies - S2 2021

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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