Лекция 08

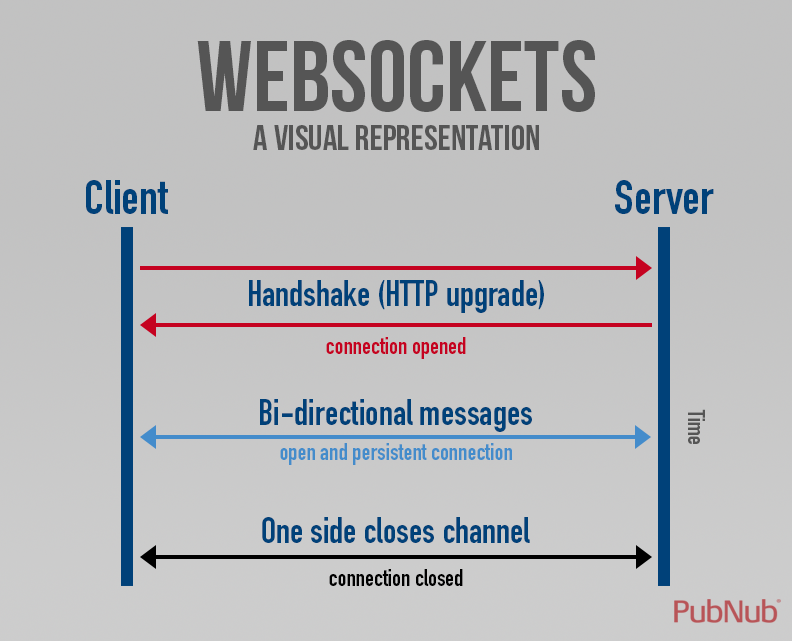
ПСКП

ПОИТ-3

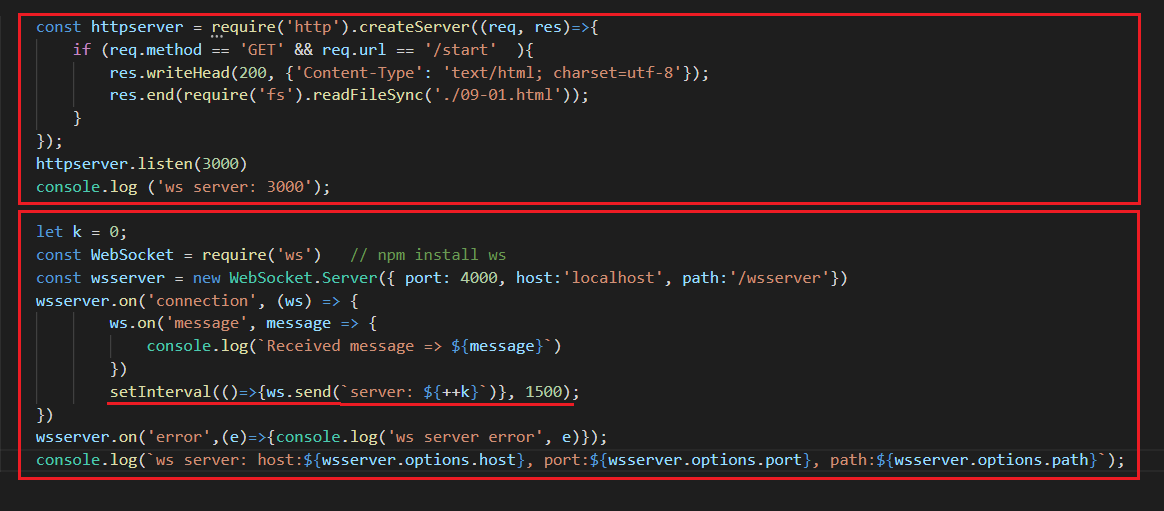
**Node.js-WebSockets-сервер**

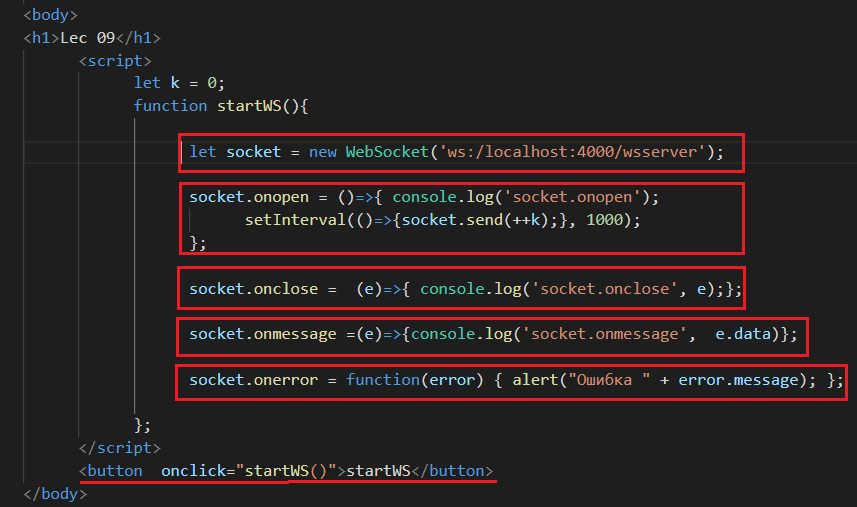
1. **WebSockets:** <https://tools.ietf.org/html/rfc6455>
2. **WebSockets:** <https://learn.javascript.ru/websockets>

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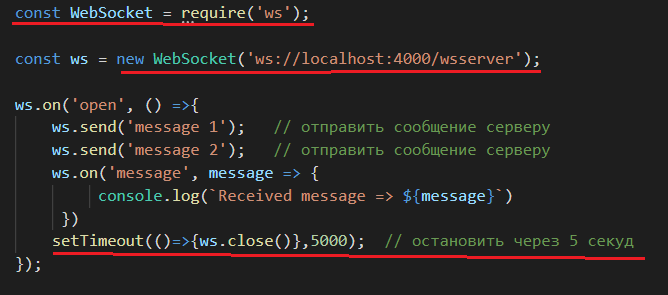


1. **WebSockets: handshake**
2. **WebSockets:** <https://github.com/websockets/ws>
3. **WebSockets:** npm install ws
4. **WebSockets:** сервер, HTML5-браузер

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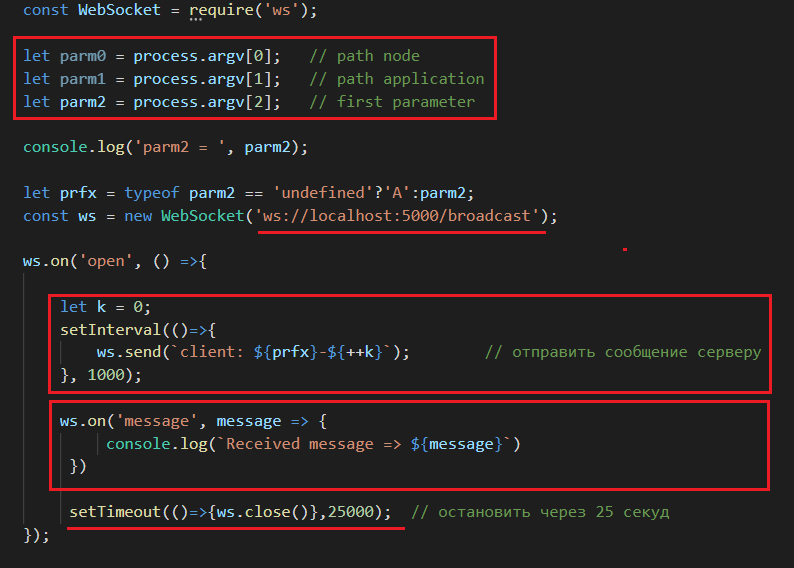
1. **WebSockets:** клиент

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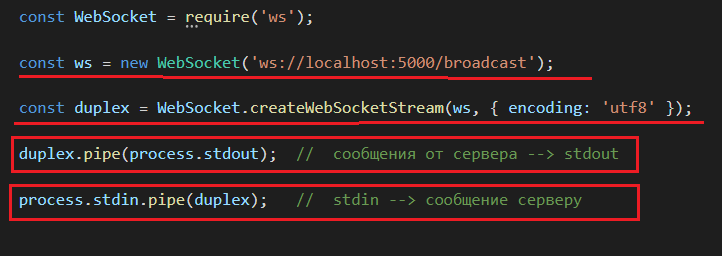
1. **WebSockets:** сервер, broadcast, уведомления



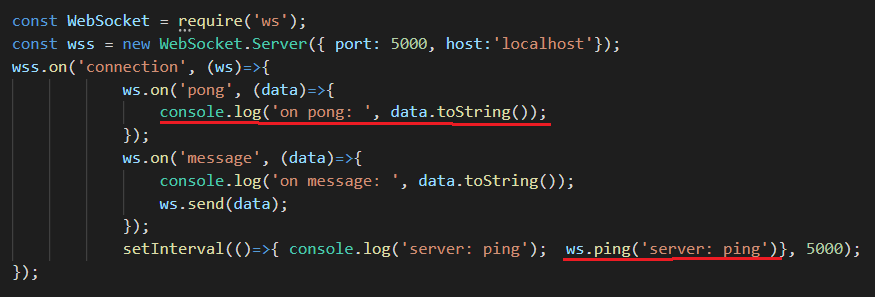
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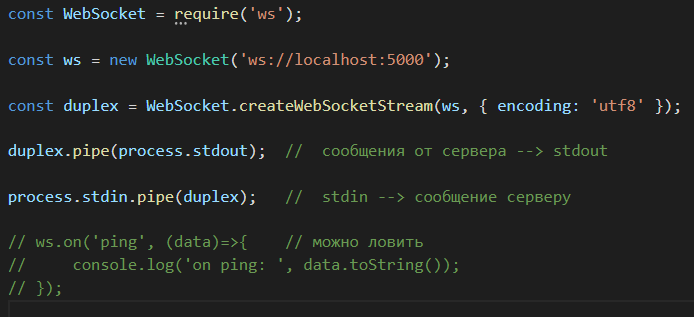
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1. **WebSockets:** клиент, взаимодействие с потоком

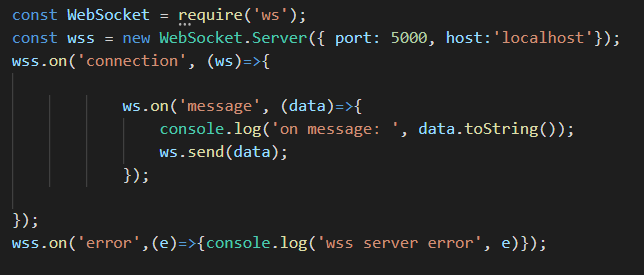
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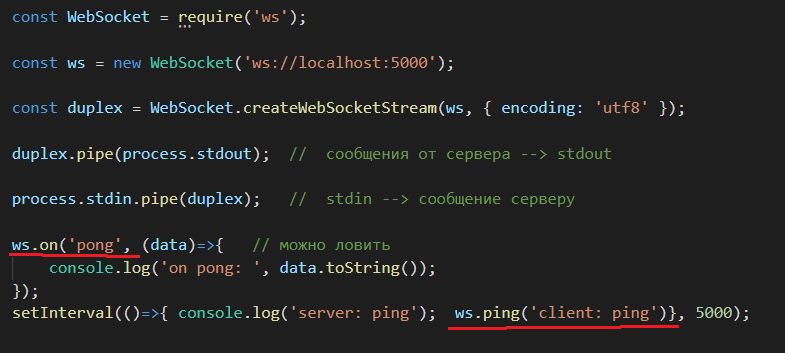
1. **WebSockets:** ping/pong, server-client



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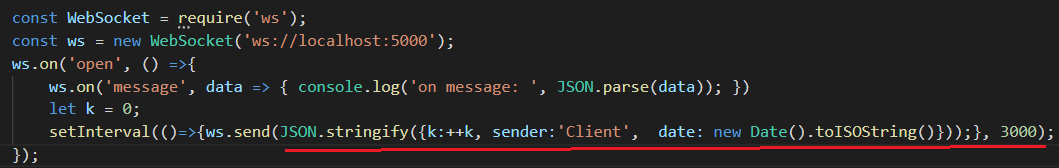
1. **WebSockets:** ping/pong, client-server

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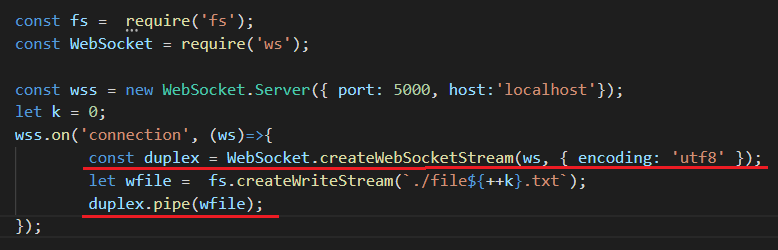
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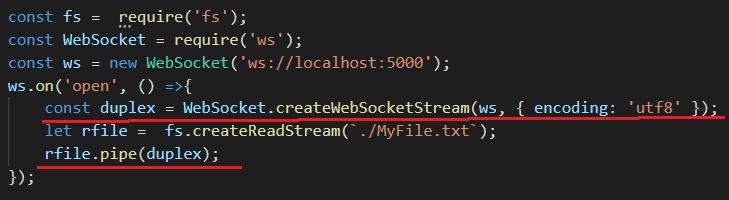
1. **WebSockets:** JSON

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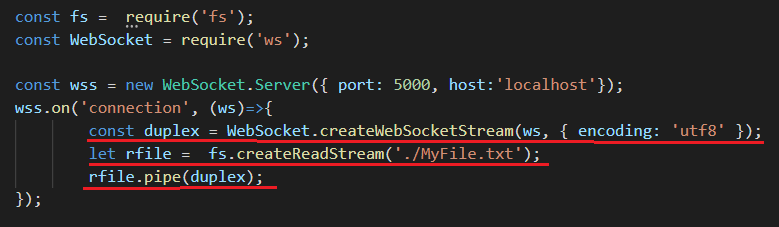
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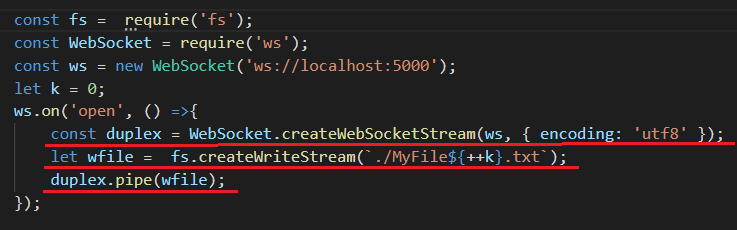
1. **WebSockets:** upload file



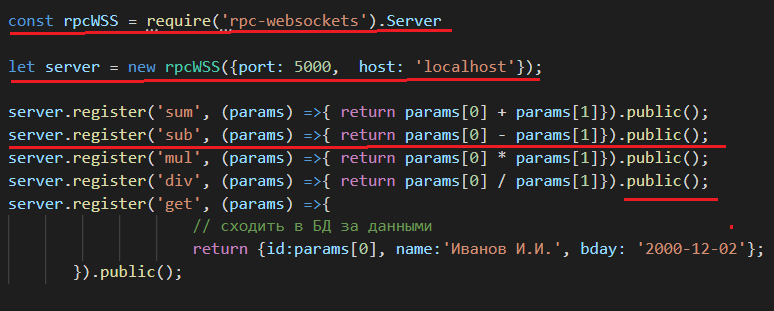


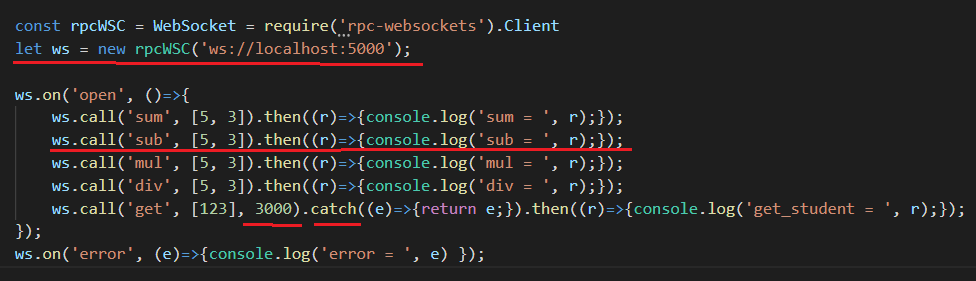
1. **WebSockets:** download file

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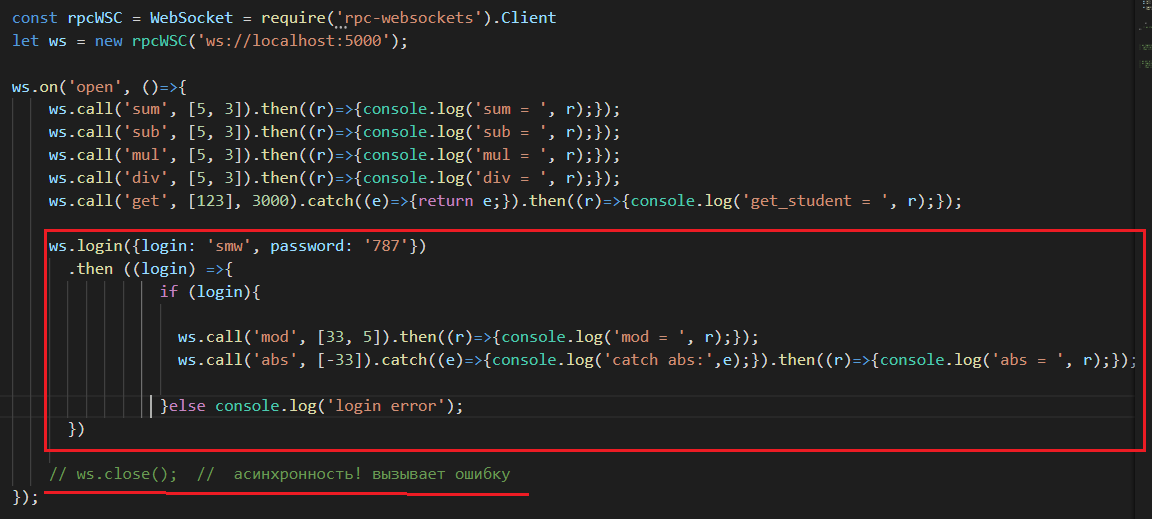
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1. **WebSockets:** npm install **rpc-WebSocketss**
2. **WebSockets:** rpc-websockets, RPC, public, ***клиент не завершается***

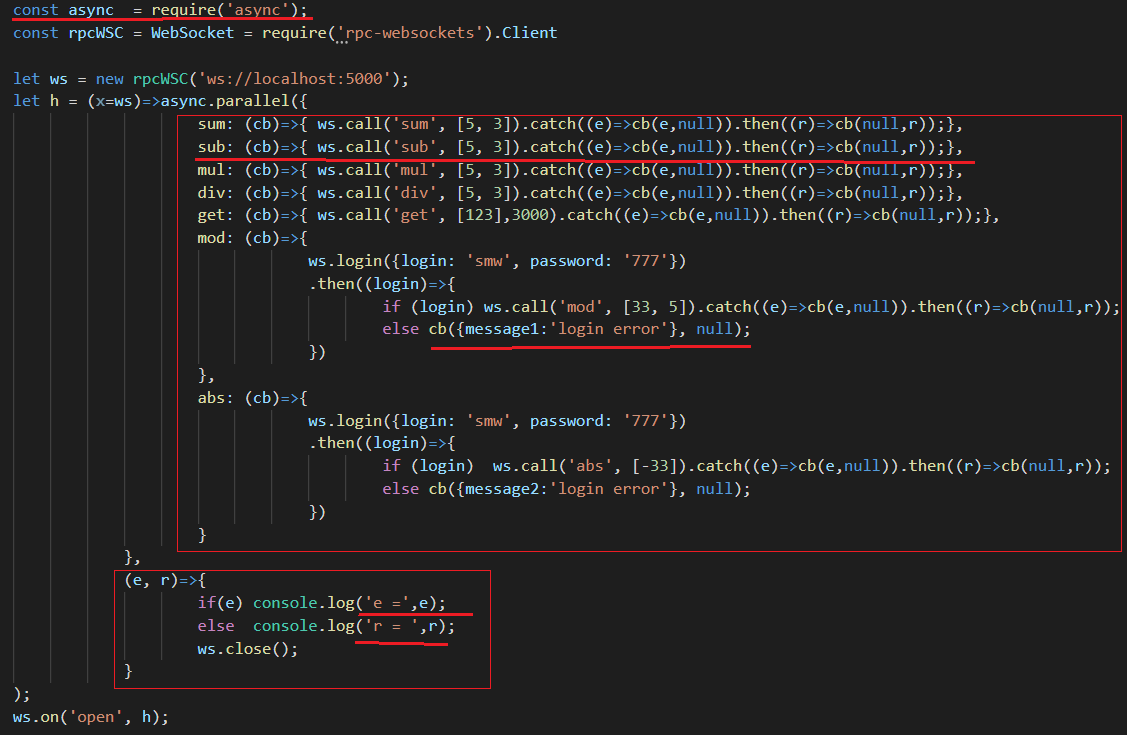




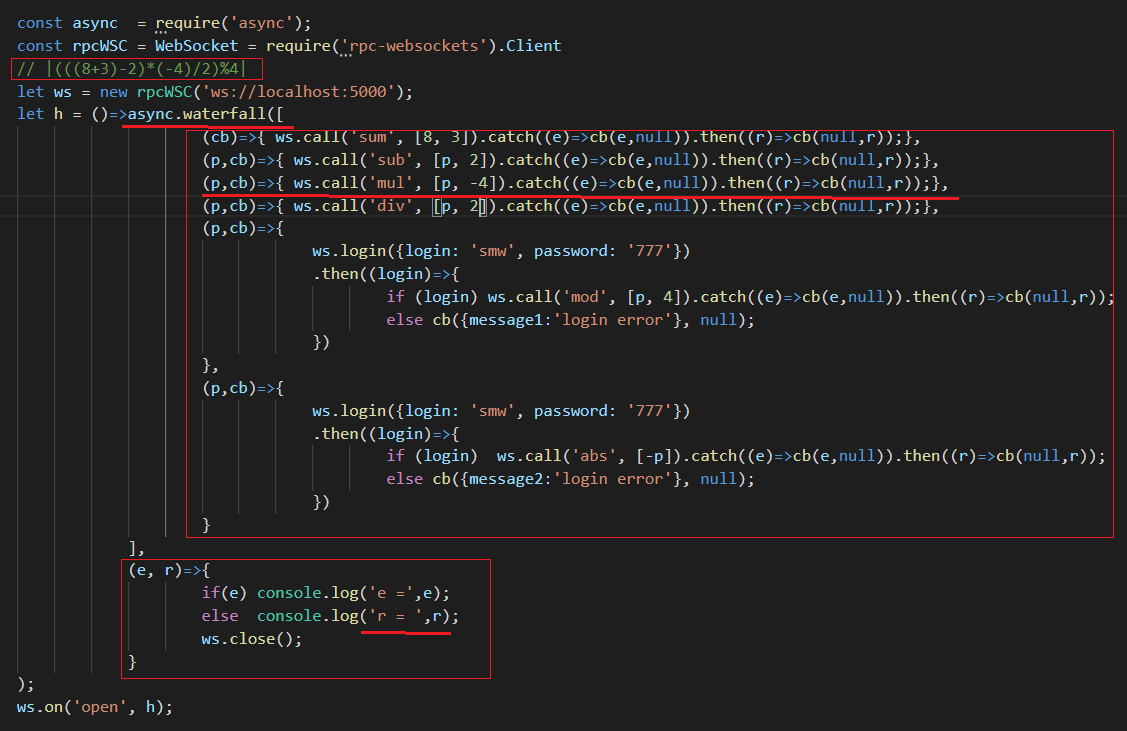
1. **WebSockets:** rpc-websockets, RPC, protected, ***клиент не завершается*** 



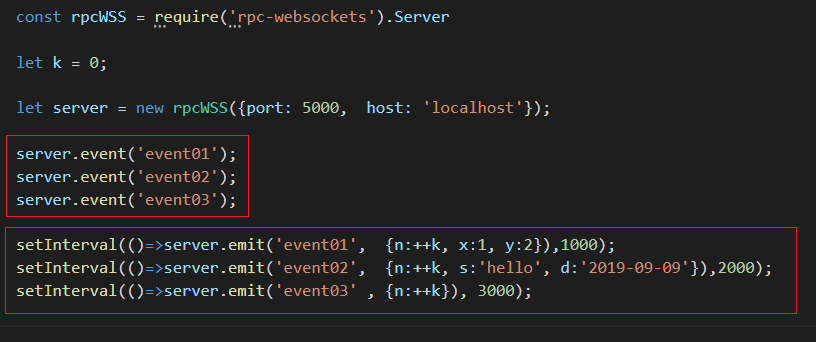
1. **WebSockets:** rpc-websockets, asinc (parallel), RPC, close.

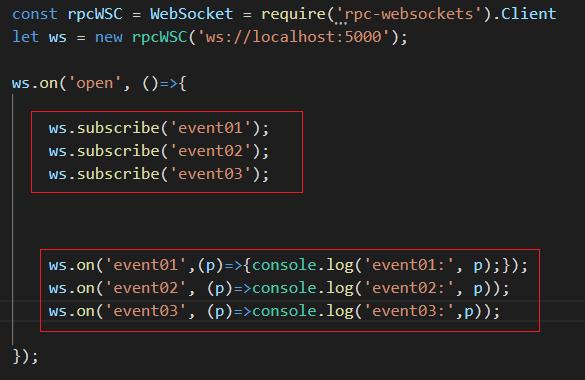


1. **WebSockets:** rpc-websockets, asinc (waterfall), RPC, close.

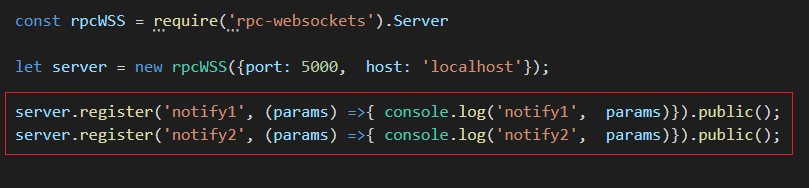
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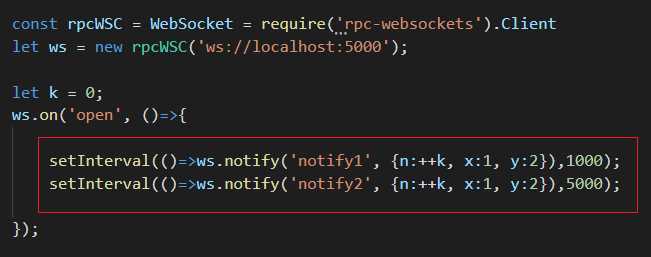
1. **WebSockets:** rpc-websockets, event/subscribe/emit





1. **WebSockets:** rpc-websockets, notify

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1. **WebSockets-сервер:** <https://habr.com/ru/company/ruvds/blog/424557/>
2. **WebSockets-сервер:** [https://www.npmjs.com/package/WebSocket](https://www.npmjs.com/package/websocket)
3. **WebSockets-сервер:** <https://www.npmjs.com/package/websocket-without-native>
4. **WebSockets-сервер:** <https://www.npmjs.com/package/ws>
5. **WebSockets-сервер:** <https://learn.javascript.ru/websockets>
6. **WebSockets-сервер:** <https://www.programmableweb.com/news/what-websockets-push-styled-api-and-how-does-it-work/analysis/2017/04/20>
7. **nodemon: npm install nodemon –g**