

LAB 3

1. Install Bitcoin Core client for test network. Add a wallet. Send some coins to it. Check your balance via CLI client. Take a screenshot.
2. Write a program to calculate sum of address unspent transactions for address in your wallet via Bitcoin Core JSON RPC API. Take a screenshot.
3. Write a program to create and broadcast transaction via Bitcoin Core JSON RPC API. Take a screenshot.
4. Write a report with programs source code, your comments, example and debug outputs, screenshots.
4. Upload your report to Moodle.

Guideline:

Use config example with prune option from Lecture 3 slides to save disk space.
Use official documentation and examples from
[https://en.bitcoin.it/wiki/API_reference_\(JSON-RPC\)](https://en.bitcoin.it/wiki/API_reference_(JSON-RPC)) and
<https://bitcoin.org/en/developer-reference>