

## LAB 6

1. Create ERC20 token smart contract and deploy it via Web3 protocol to dev Ethereum node.
2. Write a program to transfer your ERC20 tokens from one address to another. Check addresses balance programmatically to verify token transfer. Take a screenshot.
3. Connect your Ethereum wallet (Metamask) to your Ethereum node and add your custom token. Transfer some tokens to your wallet address and check address balance in a wallet. Take a screenshot.
4. Deploy your token smart contract to testing network via Ethereum node or Metamask + Remix IDE. Add your testing network token to a Wallet. Ask your group mate to add your token, get an address from him/her and send some tokens. Take some screenshots.
5. Write a report with your code samples and screenshots. Upload your report to Moodle.

**Guideline:**

Use examples from Lecture 5 and Metamask browser plugin.