

- Install menggunakan yarn

```
Administrator: C:\Windows\system32\cmd.exe
Microsoft Windows [Version 10.0.22000.778]
(c) Microsoft Corporation. All rights reserved.

E:\A. Putranto Octa Adika\Kuliah\Semester 8\BlockChain\UAS\Lesson 5>git clone https://github.com/PatrickAlphaC/ethers-simple-storage
Cloning into 'ethers-simple-storage'...
remote: Enumerating objects: 114, done.
remote: Counting objects: 100% (114/114), done.
Receiving objects: 35% (40/114)% (81/81), done.
remote: Total 114 (delta 59), reused 72 (delta 28), pack-reused 0
Receiving objects: 100% (114/114), 709.47 KiB | 1.90 MiB/s, done.
Resolving deltas: 100% (59/59), done.

E:\A. Putranto Octa Adika\Kuliah\Semester 8\BlockChain\UAS\Lesson 5>cd ethers-simple-storage
E:\A. Putranto Octa Adika\Kuliah\Semester 8\BlockChain\UAS\Lesson 5\ethers-simple-storage>yarn
yarn install v1.22.18
warning package.json: No license field
warning No license field
[1/4] Resolving packages...
[2/4] Fetching packages...
[3/4] Linking dependencies...
[4/4] Building fresh packages...
warning Your current version of Yarn is out of date. The latest version is "1.22.19", while you're on "1.22.18".
info To upgrade, run the following command:
$ curl --compressed -o- -L https://yarnpkg.com/install.sh | bash
Done in 54.20s.

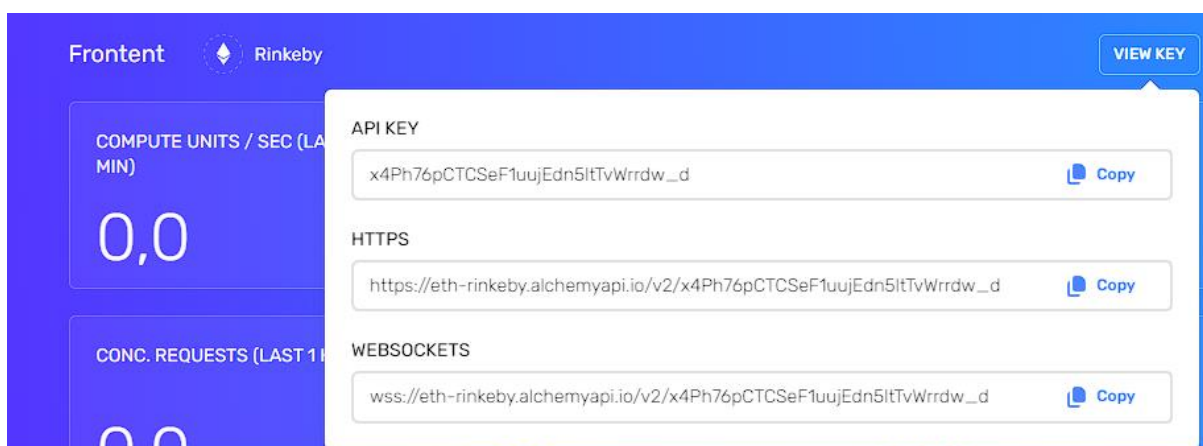
E:\A. Putranto Octa Adika\Kuliah\Semester 8\BlockChain\UAS\Lesson 5\ethers-simple-storage>
```

- Buat file .env

```
Release Notes: 1.69.0  .env.example  .env  X

.env
1 PRIVATE_KEY=d81c88af512400e29ea9cdef7060354fa14810e378c353370d222800cc657d76
2 RPC_URL=http://0.0.0.0:8545
3 PRIVATE_KEY_PASSWORD=sambutan123
```

- Daftar Alchemy lalu copy bagian https



- Paste https tadi ke file .env di bagian RPC\_URL

```
E: > A. Putranto Octa Adika > Kuliah > Semester 8 > Blockchain > UAS > Lesson 5 > ethers-simple-storage > .env
1 PRIVATE_KEY=d81c88af512400e29ea9cdef7060354fa14810e378c353370d222800cc657d76
2 RPC_URL=https://eth-rinkeby.alchemyapi.io/v2/x4Ph76pCTCSeF1uujEdn5ItTvWrrdw_d
3 PRIVATE_KEY_PASSWORD=sambutan123
```

- Compile

```
E:\A. Putranto Octa Adika\Kuliah\Semester 8\BlockChain\UAS\Lesson 5\ethers-simple-storage>yarn compile
yarn run v1.22.18
warning package.json: No license field
$ yarn solcjs --bin --abi --include-path node_modules/ --base-path . -o . SimpleStorage.sol
warning package.json: No license field
$ "E:\A. Putranto Octa Adika\Kuliah\Semester 8\BlockChain\UAS\Lesson 5\ethers-simple-storage\node_modules\.bin\solcjs" -
-b -bin --abi --include-path node_modules/ --base-path . -o . SimpleStorage.sol
Done in 19.65s.
E:\A. Putranto Octa Adika\Kuliah\Semester 8\BlockChain\UAS\Lesson 5\ethers-simple-storage>
```

- File hasil compile

 SimpleStorage_sol_SimpleStorage.abi	08/07/2022 13.33	ABI File	1 KB
 SimpleStorage_sol_SimpleStorage.bin	08/07/2022 13.33	BIN File	4 KB


- Jalankan node deploy.js

```
E:\A. Putranto Octa Adika\Kuliah\Semester 8\BlockChain\UAS\Lesson 5\ethers-simple-storage>node deploy.js
```

- Contract telah dibuat

```
E:\A. Putranto Octa Adika\Kuliah\Semester 8\BlockChain\UAS\Lesson 5\ethers-simple-storage>node deploy.js
Deploying, please wait...
Contract deployed to 0xfbd27c2B1488c548D92746Ffc6b5B4EB3F20998
Current Favorite Number: 0
Updating favorite number...
New Favorite Number: 7
E:\A. Putranto Octa Adika\Kuliah\Semester 8\BlockChain\UAS\Lesson 5\ethers-simple-storage>
```

## - Contract di etherscan



All Filters

Search by Address / Txn Hash / Block / Token / Ens

Q

Rinkeby Testnet Network

HomeBlockchainTokensMisc

Rinkeby

Contract 0xfbde27c2b1488c548d92746fc6b5b4eb3f20998

Contract Overview

Balance: 0 Ether

More Info

My Name Tag: Not Available

Contract Creator: 0xa398ea3651c216e6c0... at txn 0x32e57b9465282d6a9f...

TransactionsErc20 Token TxnsContractEvents

Latest 2 from a total of 2 transactions

Txn Hash	Method	Block	Age	From	To	Value	Txn Fee
<a href="#">0x6ef80a7212d5083b45...</a>	Store	10987200	1 min ago	<a href="#">0xa398ea3651c216e6c0...</a>	<a href="#">0xfbde27c2b1488c548d...</a>	0 Ether	0.00010931
<a href="#">0x32e57b9465282d6a9f...</a>	<a href="#">0x60806040</a>	10987198	1 min ago	<a href="#">0xa398ea3651c216e6c0...</a>	Contract Creation	0 Ether	0.0011592

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