

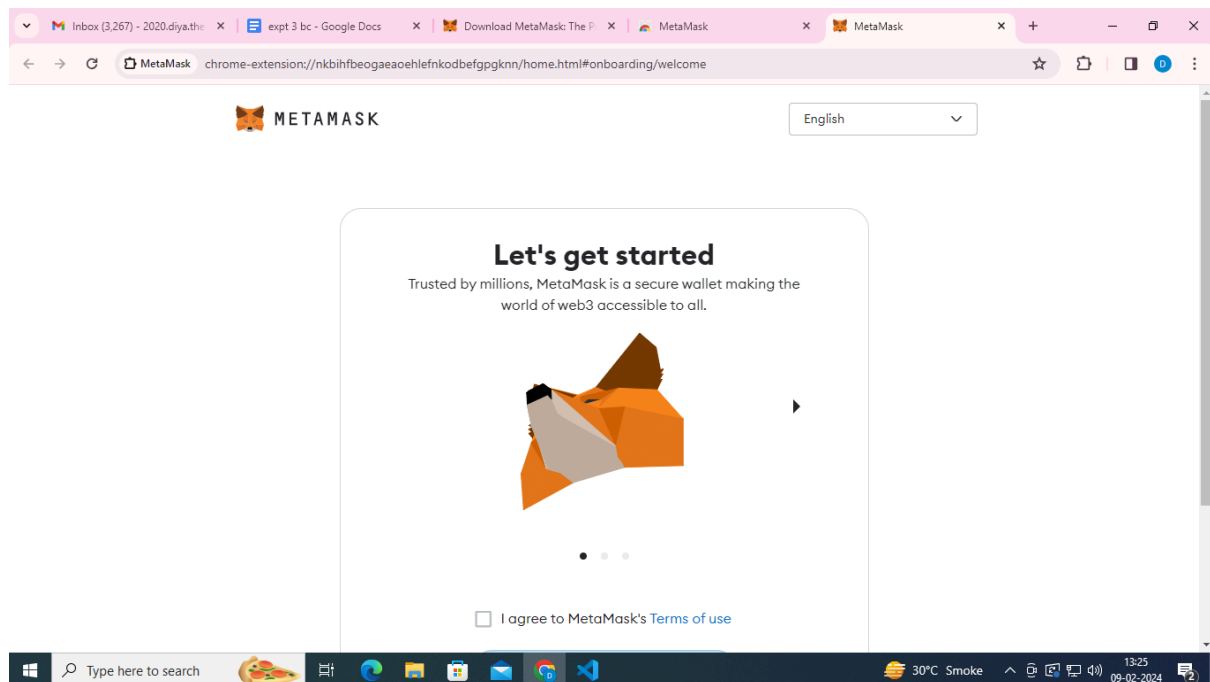
Aim :- Create metamask wallet, mine test ethers, perform crypto transactions and study explorer etherscan.io and bitcoin explorer.

Task to be performed :

1. Create metamask wallet
2. Mine test ethers
3. Perform transactions between accounts and peers.
4. Study parameters of explorer etherscan.io and bitcoin explorer and differences between them

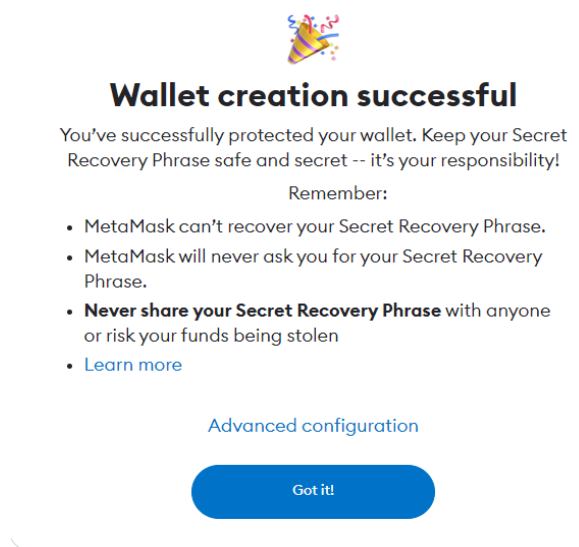
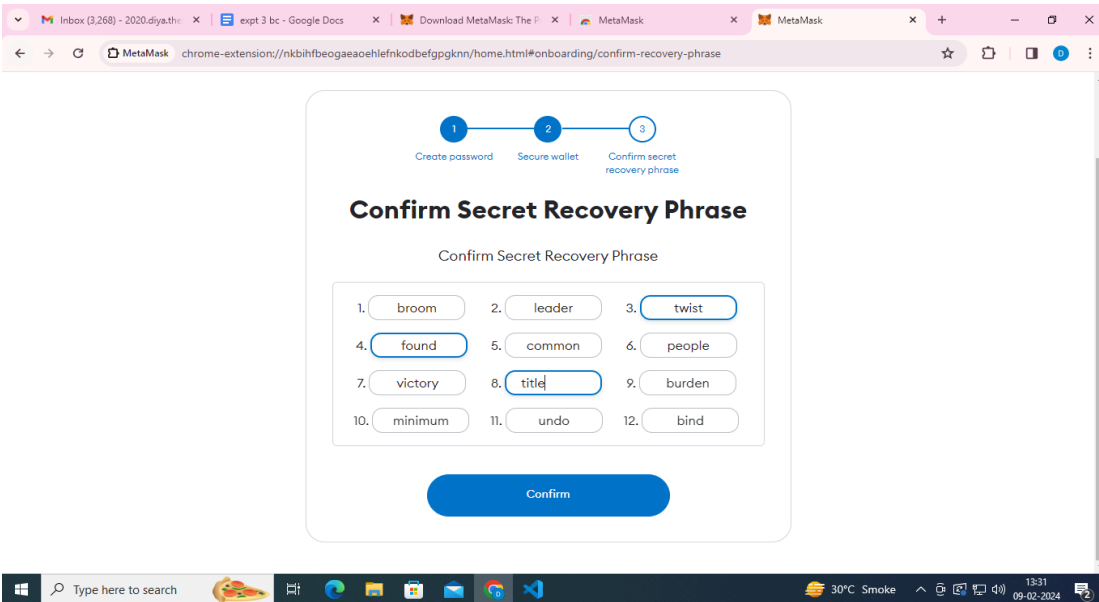
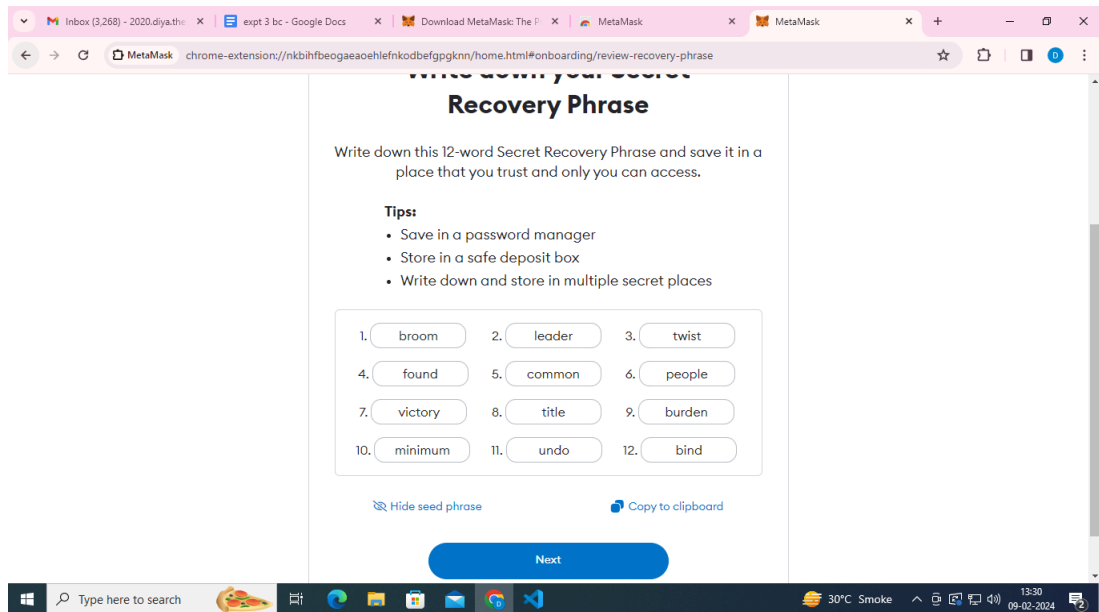
STEPS:

1. Download metamask extension: <https://metamask.io/>
2. Create a wallet on metamask



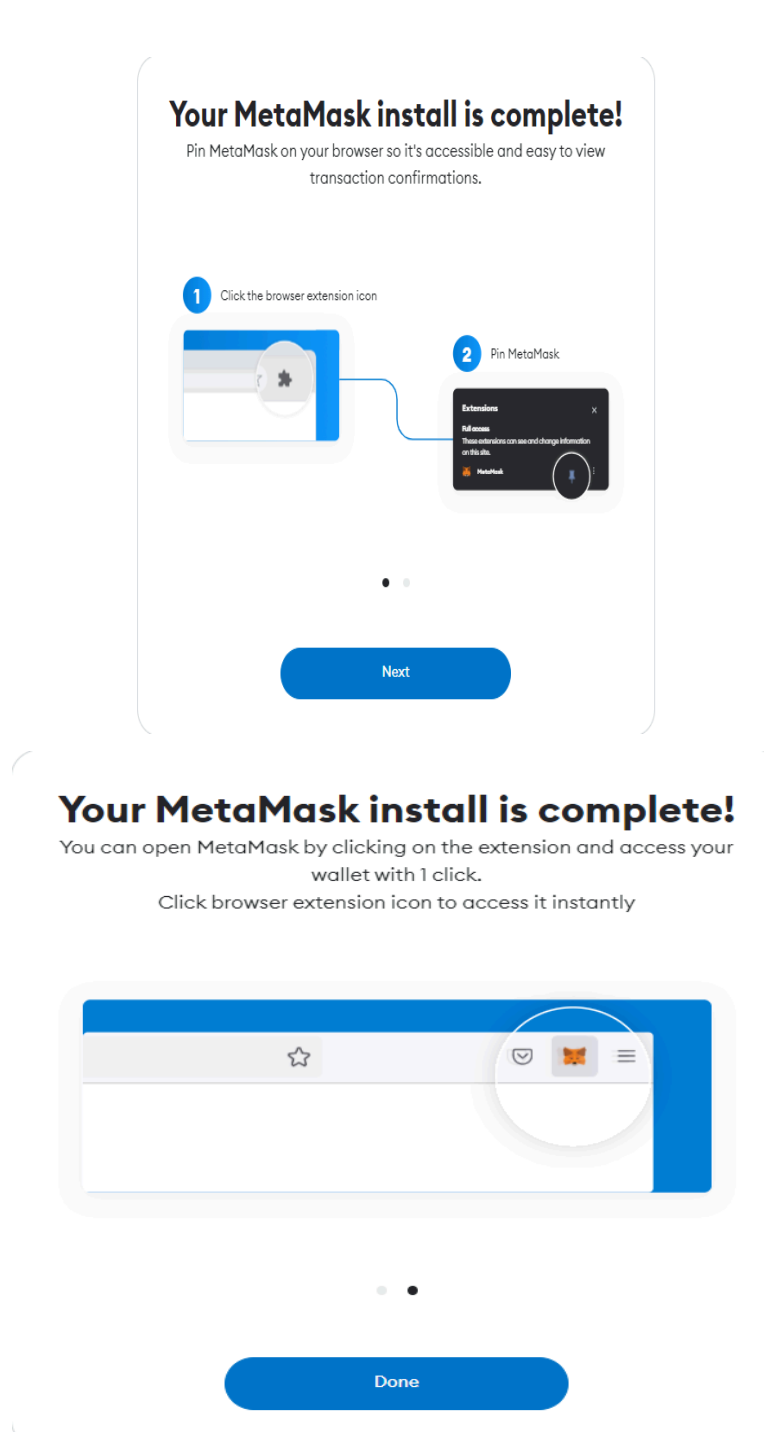
Secure your wallet

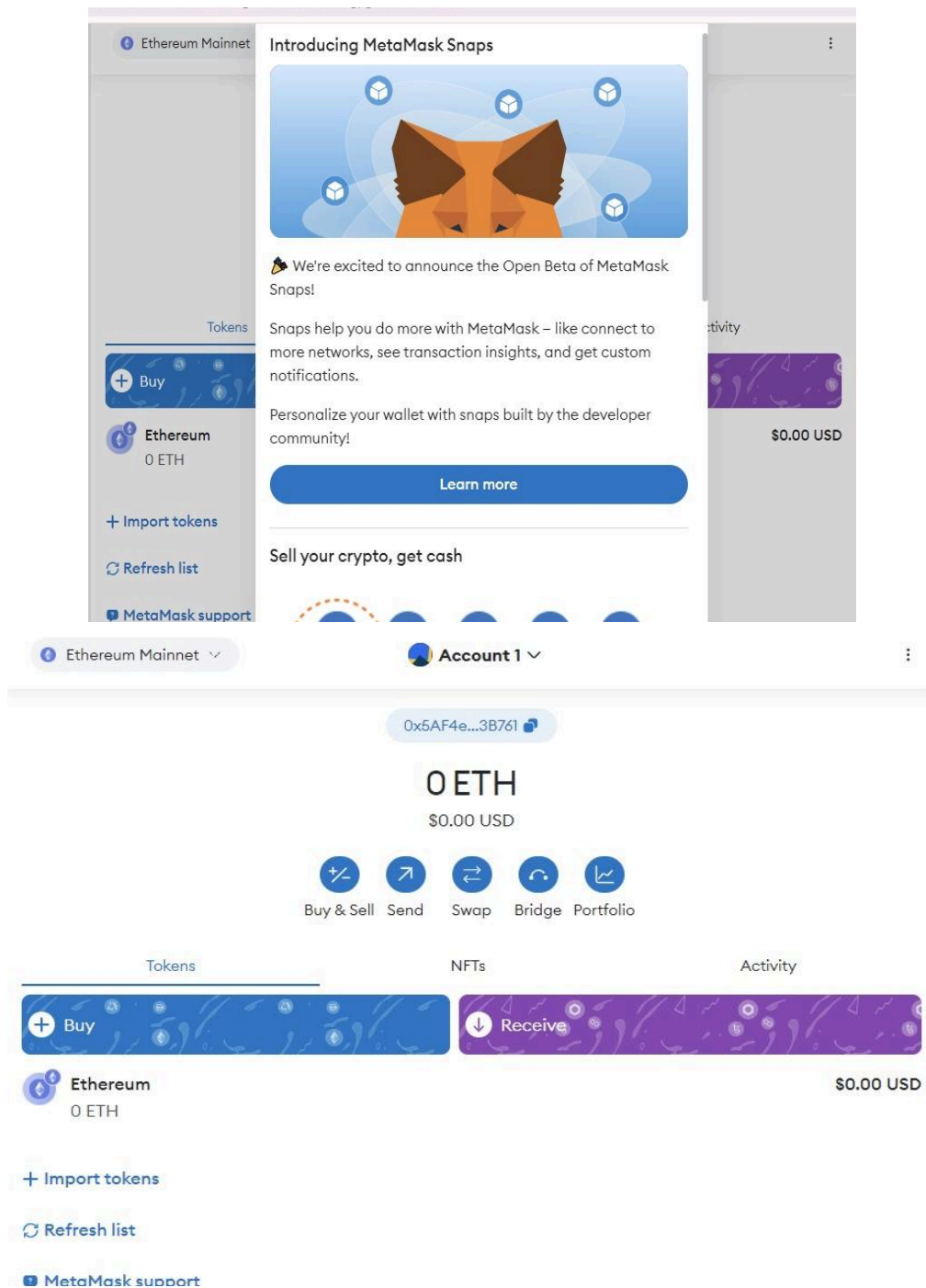
Before getting started, watch this short video to learn about your Secret Recovery Phrase and how to keep your wallet safe.



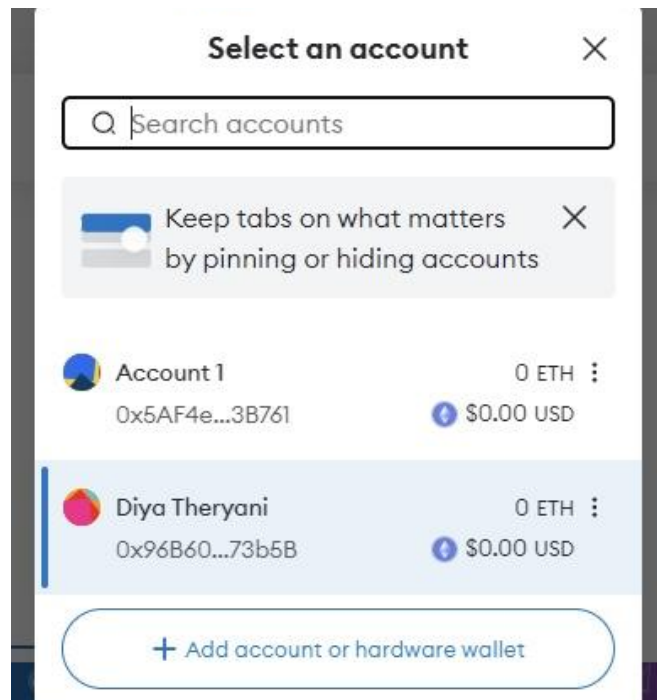
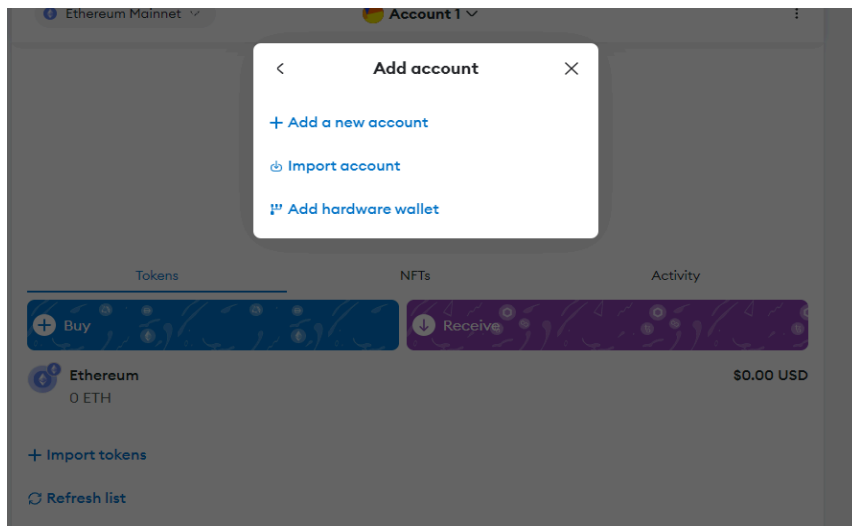
Wallet creation successful.

3. Switch your network to “Sepolia”






4. Create two accounts for transferring money




Send to

Cancel

Enter public address (0x) or ENS name




Your accounts



Account 1

0xcaa1...8869



Diya Theryani

0x96B60...73b5B

5. Set the right configurations for your wallet.


Send

Diya Theryani

0x2fe355cd6035499b0821e9ded9fbeat13fbb0fd75

×

Asset:



ETH

Balance: 0 ETH

Amount:

0.0001 ETH

\$0.25 USD

↕

Max

Insufficient funds for gas

Estimated fee

0.00103962 ETH


Market -30 sec

Max fee: 0.00140342 ETH

Cancel

Next

6. Go to the given link: <https://sepolia-faucet.pk910.de/>
7. Enter your target address and click on “start mining”.



Target Address:
0xCAa14D20e02AEdCAa26Fc837f04DEfba8Aca8869

Your Mining Reward: 0 SepETH Current Hashrate: 271.05 H/s

Number of Workers: 6 / 6 + -

Minimum Claim Reward: 0.05 SepETH

Maximum Claim Reward: 2.5 SepETH

Remaining Session Time: 11h 59min

Total Shares: 0

Avg. Reward per Hour: 0 SepETH/h

Reward Boost: + 0% Boost

Stop Mining

8. Stop mining after you have collected required amount of ethers
9. Now, we can start with transferring process.

Sepolia PoW Faucet

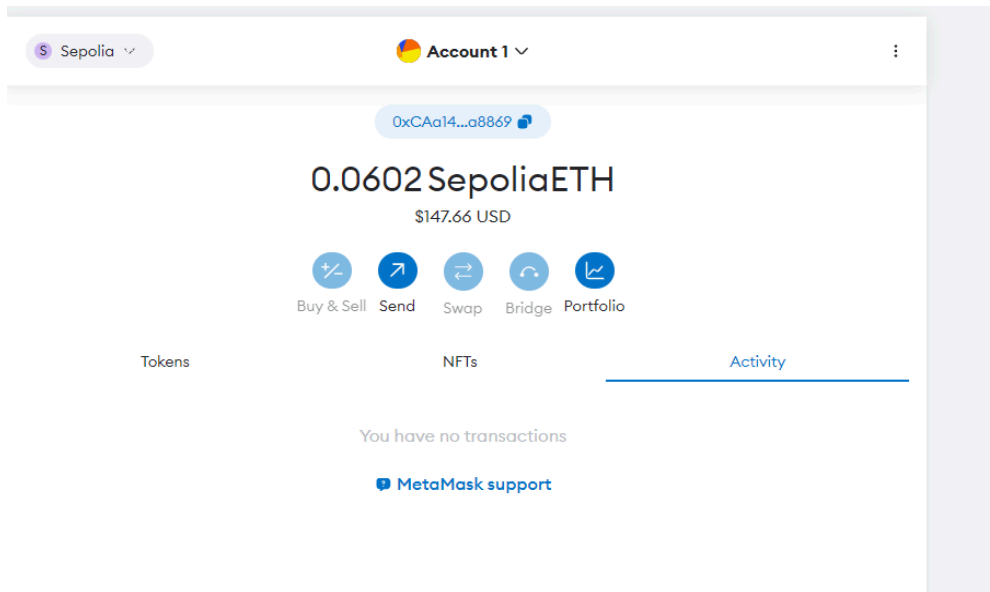
Claim Rewards

Wallet: 0xCAa14D20e02AEdCAa26Fc837f04DEfba8Aca8869

Amount: 0.06 SepETH

Timeout: 2024-02-10 13:16 (23h 56min)

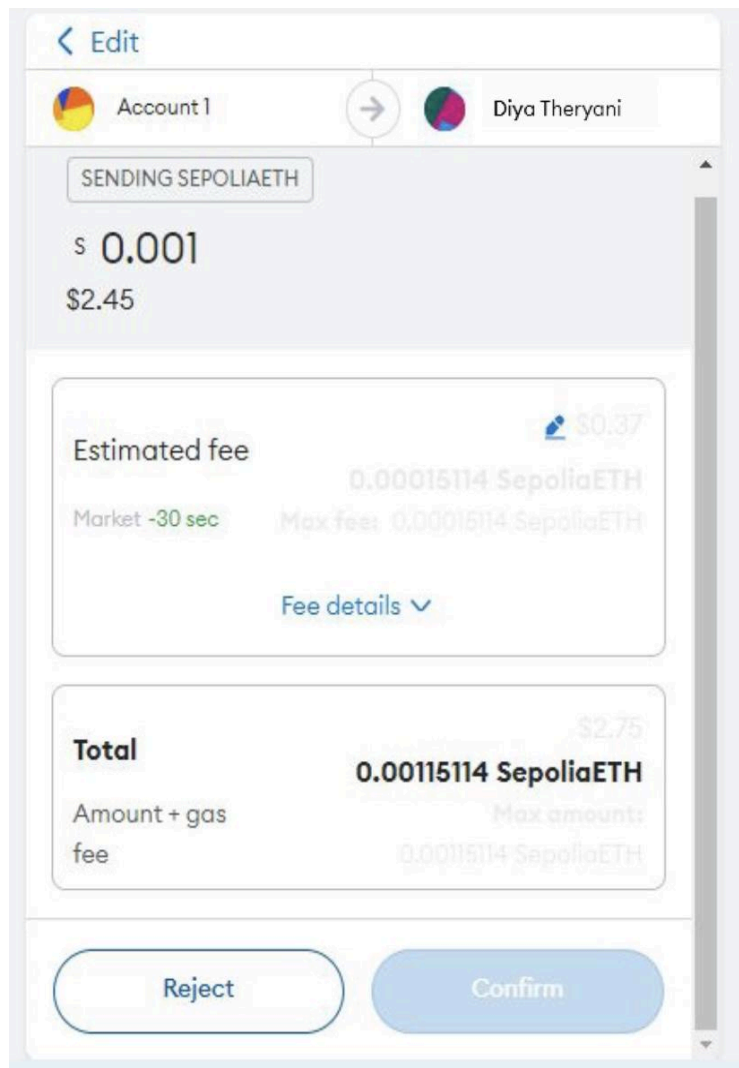
Claim Rewards



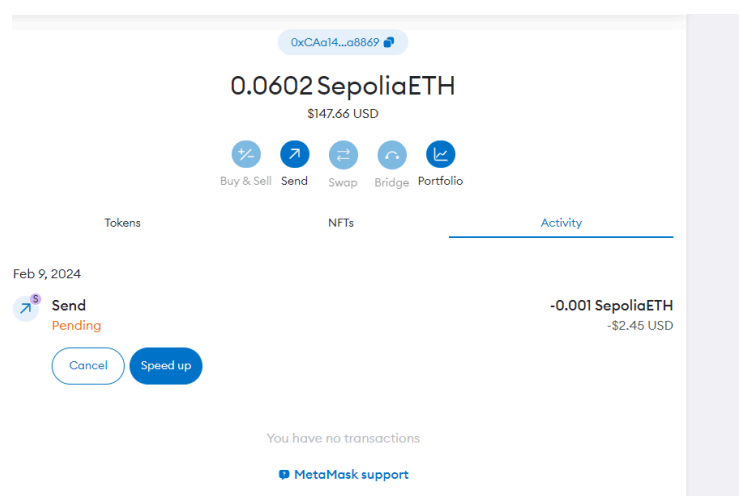
10. The mining is completed. Once the mining is done, the received ethers will reflect on your account.

11. Send an amount from one account to another.

A screenshot of the 'Send' transaction screen in MetaMask. The recipient is 'Diya Theryani' with address '0x2fe355cd6035499b0821e9ded9fba13fbb0fd75'. The asset is 'SepoliaETH' with a balance of '0.0601525 SepoliaETH'. The amount to be sent is '0.001 SepoliaETH' (\$2.45 USD). There is a 'Max' button next to the amount field. The 'Hex data' field is 'Optional'. At the bottom, the 'Estimated fee' is '0.00011661 SepoliaETH' (Market -30 sec) and the 'Max fee' is '0.0001464 SepoliaETH'. There are 'Cancel' and 'Next' buttons at the bottom.



12. We can see the wallet transactions performed



Send


Status


Confirmed


View on block explorer

Copy transaction ID

From

 0xCAa14...a...



 Diya Theryani

To

Transaction

Nonce	0
Amount	-0.001 SepoliaETH
Gas Limit (Units)	21000
Gas Used (Units)	21000
Base fee (GWEI)	4.336067601
Priority fee (GWEI)	1.5
Total gas fee	0.000123 SepoliaETH \$0.30 USD
Max fee per gas	0.000000007 SepoliaETH \$0.00 USD
Total	0.00112256 SepoliaETH \$2.76 USD

13. The transaction will be reflected in the ledger.

← → ↻ sepolia.etherscan.io/tx/0x8effc97f28b0902c35868f02e5f715ca404846d23f5c337d6423848d99a073 ☆ 📄 📱 🖨

Sepolia Testnet 🔍 Search by Address / Txn Hash / Block / Token / ⚙️ ↕

Etherscan Home Blockchain ▾ Tokens ▾ NFTs ▾ Misc ▾

Transaction Details < >

Overview State More ▾

[This is a Sepolia **Testnet** transaction only]

Transaction Hash:	0x8effc97f28b0902c35868f02e5f715ca404846d23f5c337d6423848d99a073 🔗
Status:	Success
Block:	5250407 1 Block Confirmation
Timestamp:	51 secs ago (Feb-09-2024 07:58:00 AM +UTC)
From:	0xCAa14D20e02AEdCAa26Fc837f04DEfba8Aca8869 🔗
To:	0x2fe355Cd6035499b0821E9ded9FBEa13FBB0FD75 🔗
Value:	<div>🔗 This website uses cookies to improve your experience. By continuing to use this website, you agree to its Terms and Privacy Policy. Got it!</div>

Conclusion :-

The experiment involves creating a MetaMask wallet, mining test ethers, conducting crypto transactions, and studying explorers like Etherscan.io and Bitcoin Explorer to understand blockchain technology and cryptocurrency operations from a practical perspective.