Practical - 02.

* <u>Aim</u>: Create your own wallet using Metamask for crypto transactions.

* <u>Theory</u>:

1] <u>Metamask.</u>

○ Metamask is a browser extension or mobile app that functions as a non custodial ethereum wallet.

○ It lets users store send and receive ether (ETH) and ERC-20/ERC-721 tokens.

○ It also provides an interface for interacting with decentralized applications (dapps) directly from the browser.

○ Because it is non-custodial, only the user controls the private keys and seed phrase.

2] <u>Importance of a Wallet for crypto Transactions.</u>

- A wallet stores the cryptographic keys (public and private) needed to sign transactions.

- It allows sending and receiving crypto assets securely.

- Security depends on keeping private keys/seed phrase safe and browser never sharing them.

3] Steps to create your own metamask wallet —

Step 1: Visit the official site https://metamask.io. or your browsers official web store/app. Store.

Step 2: Download and install the metamask extension.

Step 3: Click get started → Create a wallet.

Step 4: Set a strong password for local device access.

Step 5: Metamask shows a secret recovery phrase
  ○ Write it down and store it offline
  (do not share or store in plain text online)

- This phrase restores the wallet on any device if lost.

Step 6: Confirm the secret recovery phrase when prompted to complete setup.

Step 7: Your wallet address is now created, copy it to recieve ETH or tokens.

Step 8: Fund your wallet by receiving ETH from an exchange or another wallet or use Meta Mask's "Byy" options.

Step 9: Use send to transfer crypto or connect Metamask to dApps to perform transactions.

4] Security tips —

- Always install metamask only from official sources.

- Keep browser /app updated.

- Consider using a hardware wallet with Meta Mask for large funds.

- Double check addresses before sending crypto.

* <u>CONCLUSION</u>:

A personal crypto wallet was successfully created using metamask by installing the extension, creating a new wallet, setting a password and safely storing the secret recovery phrase. The wallet can now be used to send, receive and manage cryptocurrency transactions securely, while user retains full control of the private keys.

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