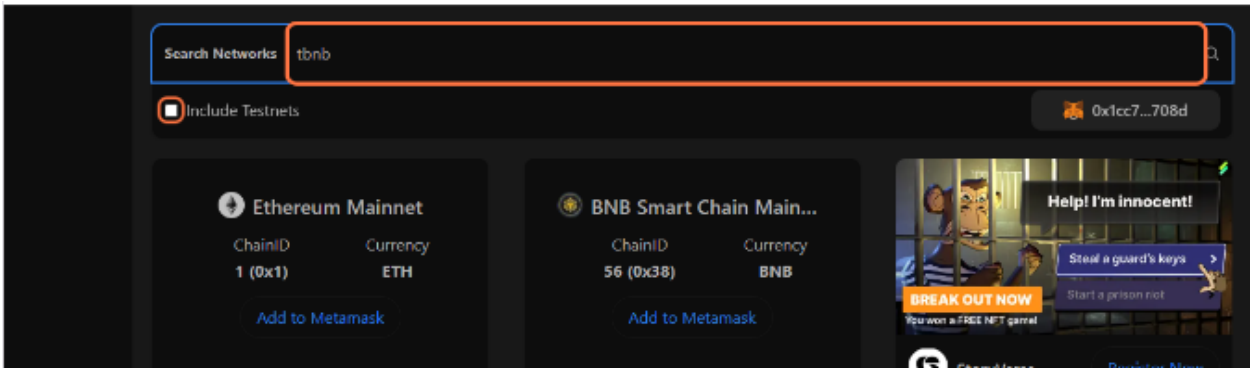
How to Add Liquidity to your CryptoCurrency Token using BNB Smart Chain Test Net and Pancake Swap

Pre-requisites:

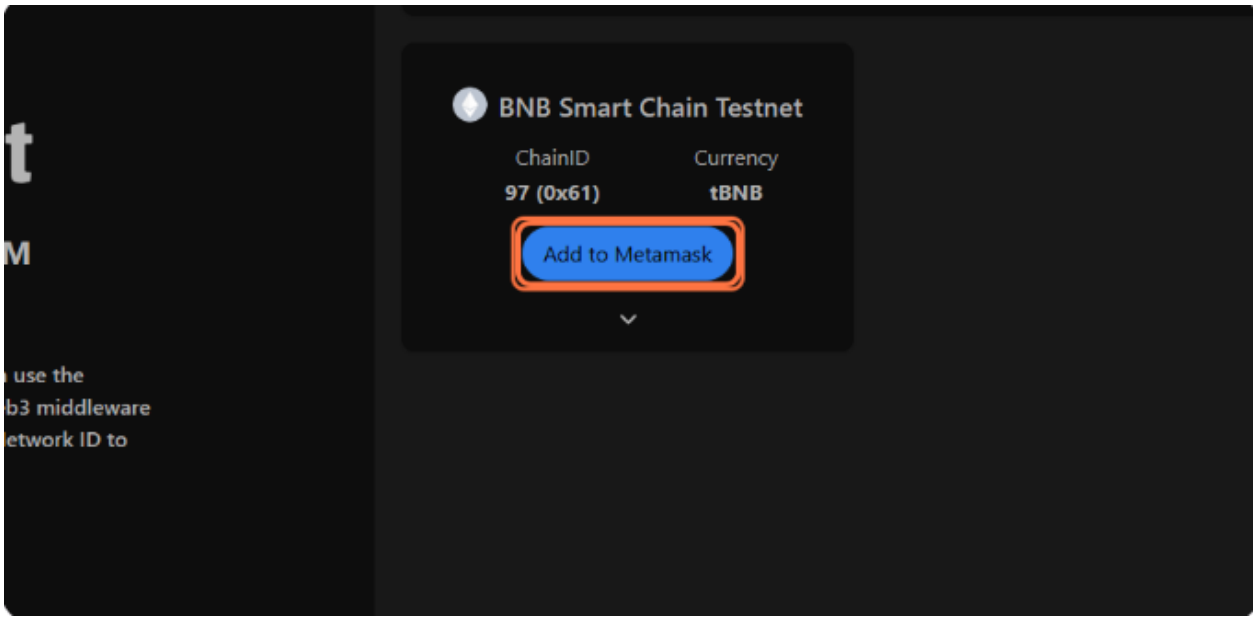
- **Basic coding knowledge with Solidity**
- **Must have your own MetaMask Wallet.**
- **Was able to perform this activity How to Create a CryptoCurrency (We will be using the contract created in the previous activity)**

Step 1: Connect BNB Smart Chain Testnet and Create OCC Token

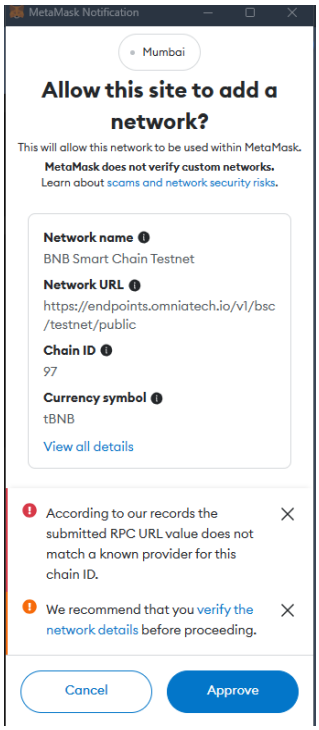
1. Go to https://chainlist.org/
2. Search for **"tbnb"**. Check Include Testnets



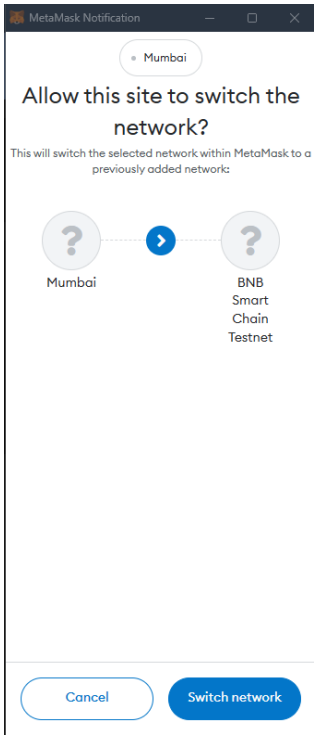
3. Look for the Testnet with a ChainID of **97**. Click **"Add to Metamask"** button



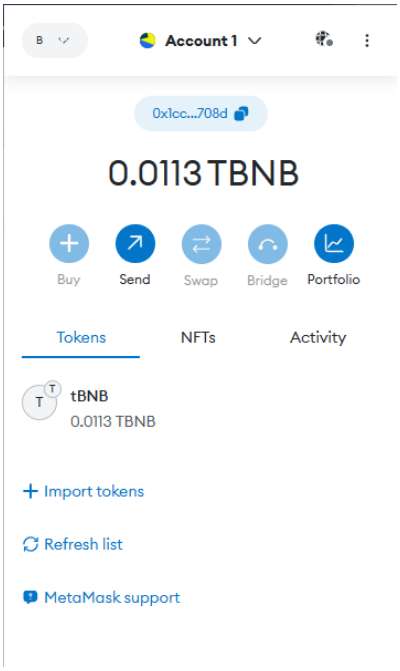
4. A Metamask prompt will open asking for our approval to add the network to our wallet. Click the **“Approve”** Button



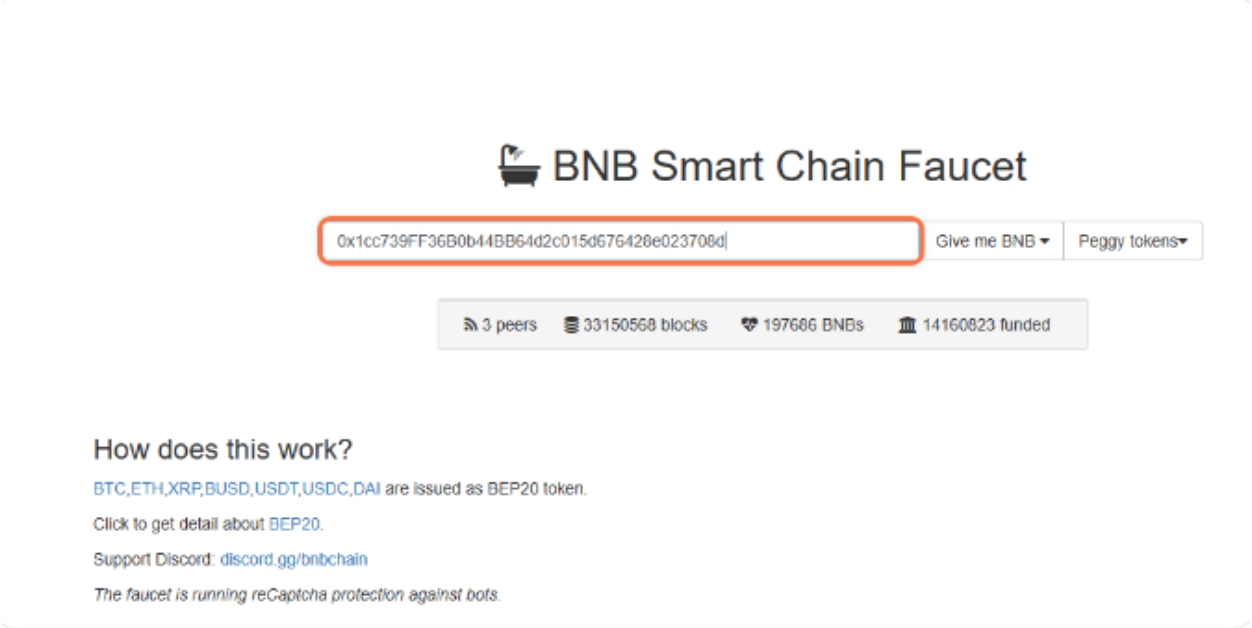
5. Metmask will now ask if we want to switch the network. Click the **“Switch network”** button.



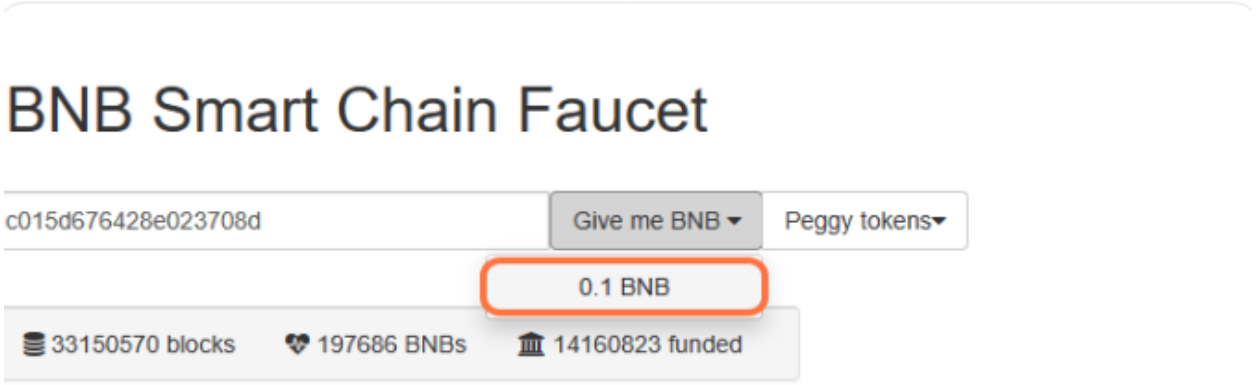
6. Open your Metamask Extension and Copy your ID.



7. Go to https://testnet.bnbchain.org/faucet-smart. Verify yourself in the Captcha.
8. The input will require your Metamask ID. Paste your Metamask ID



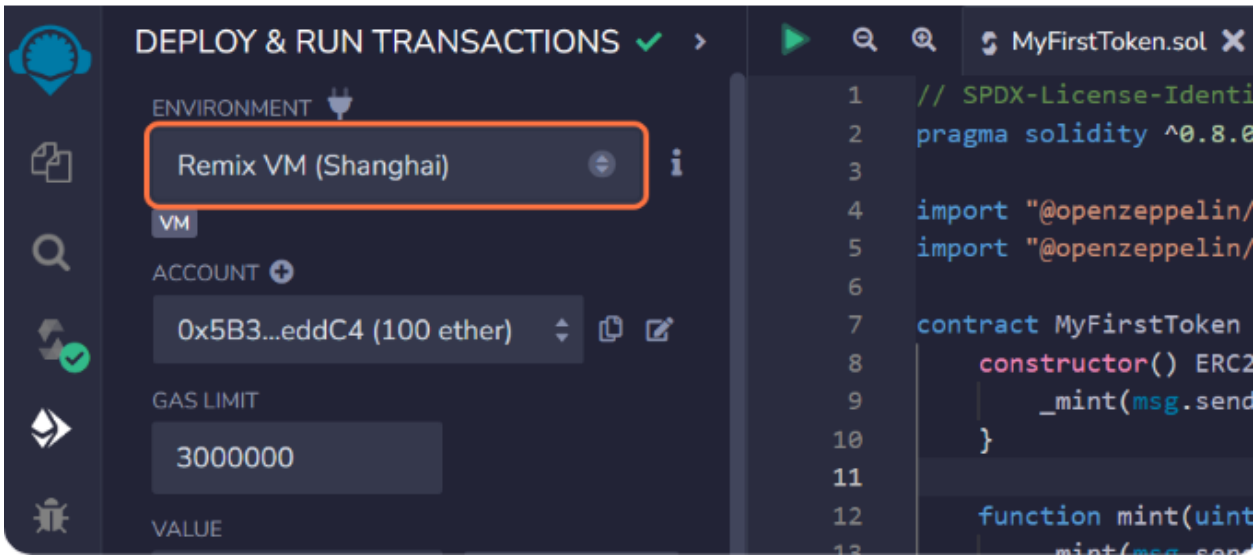
9. Click on **“Give me BNB”** drop down button then click on **“0.1 BNB”.**



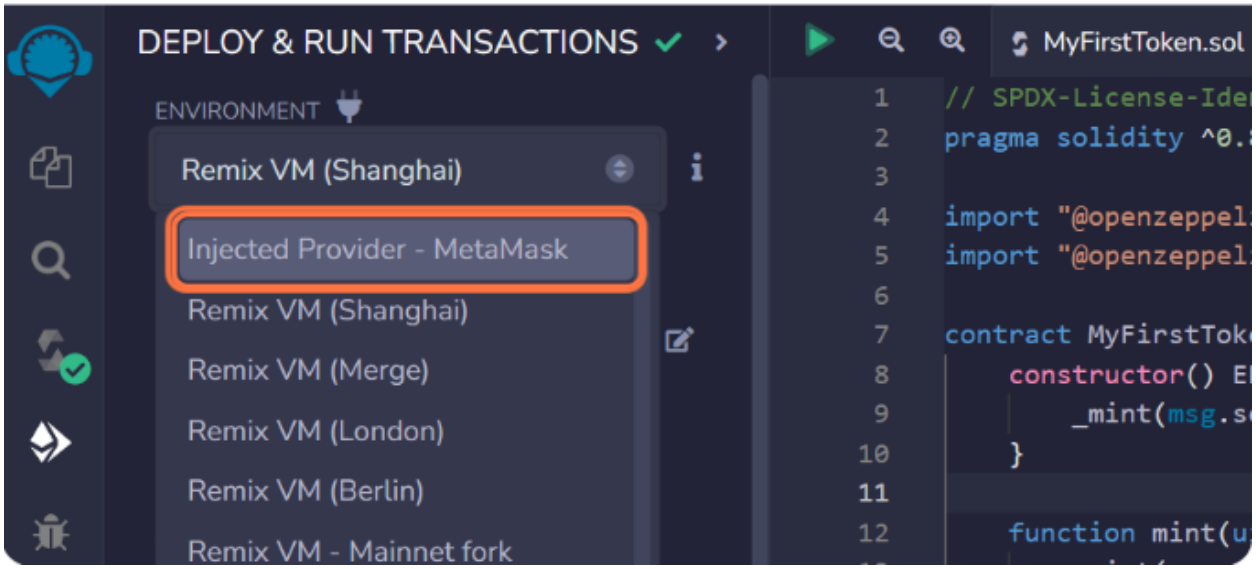
oken.

10. Check your Metamask account. You should be able to see this **Receive** transaction in your activity

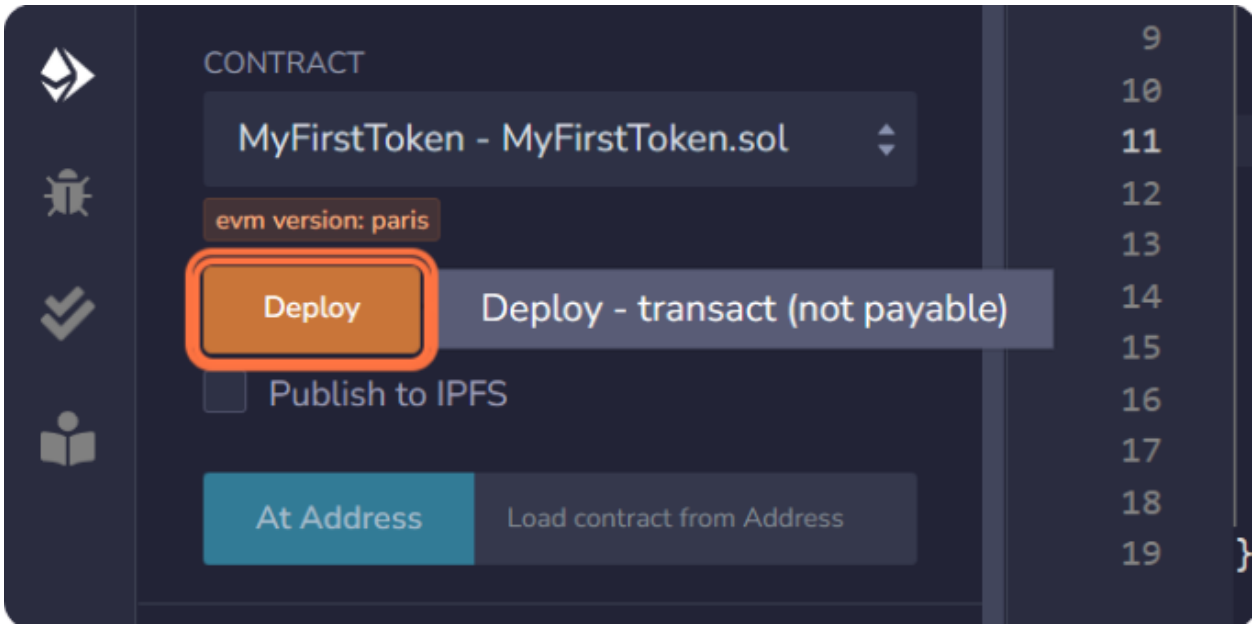
11. Go to https://remix.ethereum.org/. And open the How To Create A CryptoCurrency Workspace.
12. Inside the Deploy & Run Transactions Section, Click on the Environment.



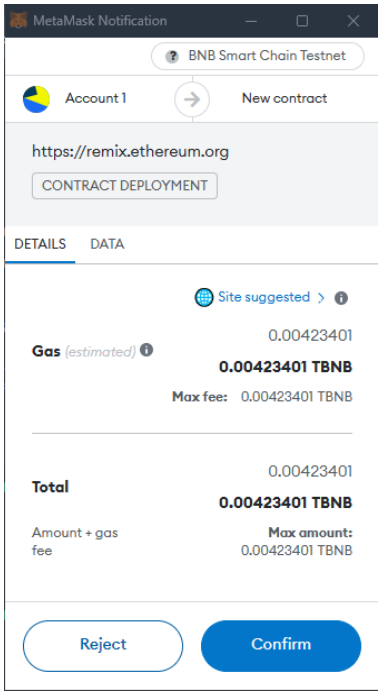
13. Change the Environment to **Injected Provider - MetaMask**.



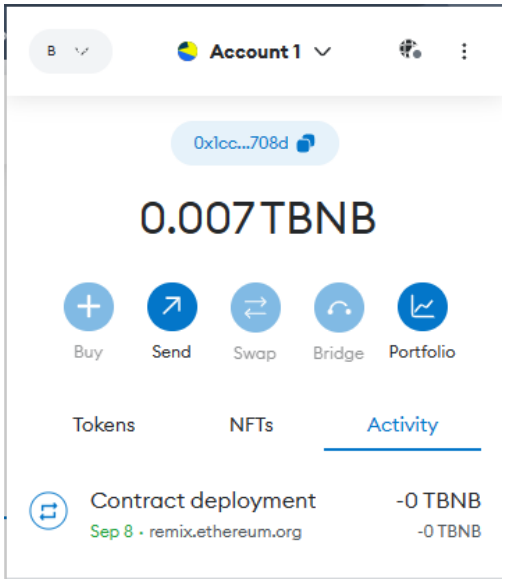
14. Click the **"Deploy"** button to run our contract.



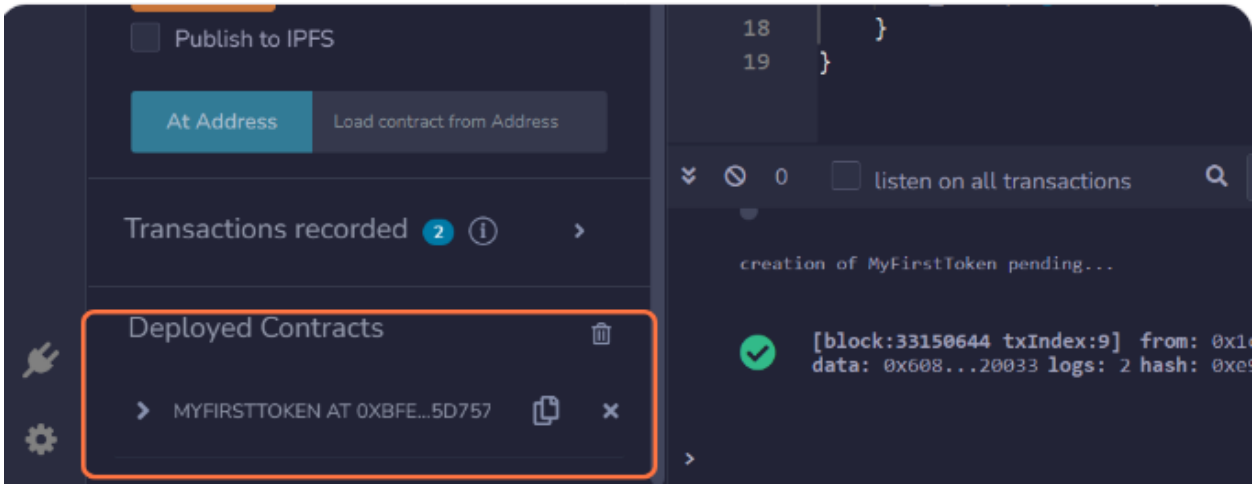
15. A Metamask prompt will automatically show. Click the **“Confirm”** button.



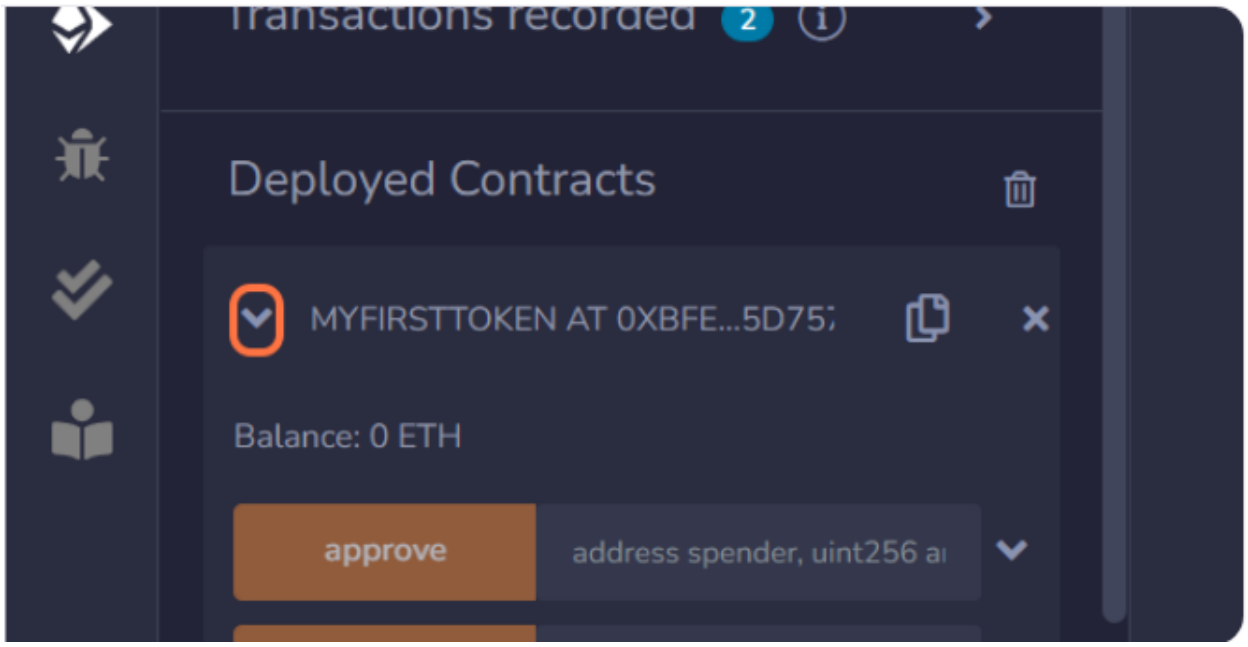
16. Check your MetaMask Account. You should be able to see a Contract deployment activity.



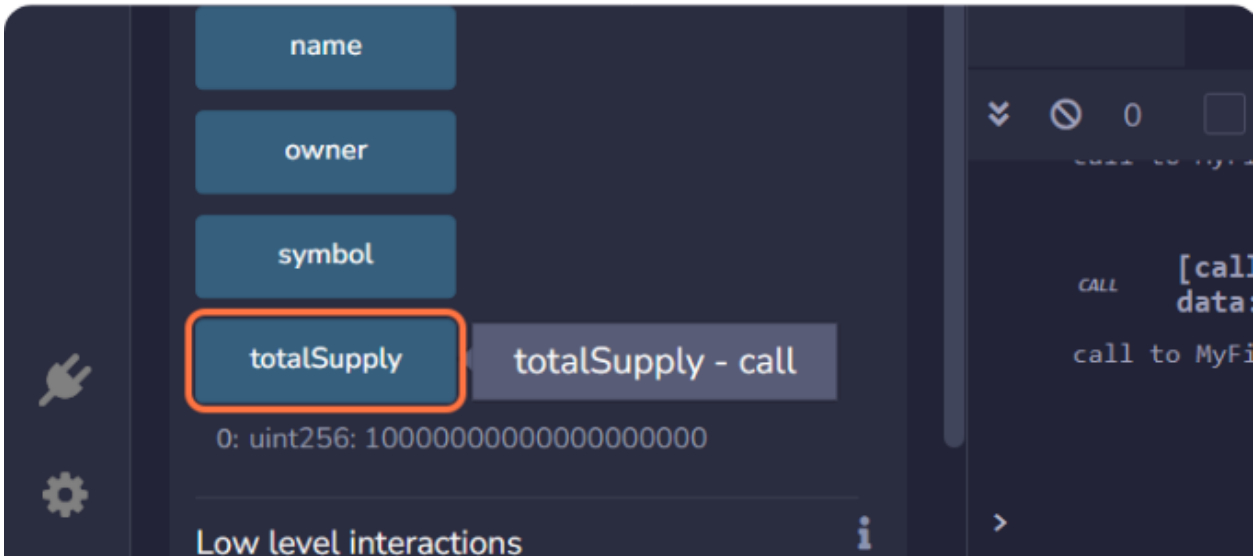
17. Go back to your Remix IDE. And check under the Deployed Contracts section. You should be able to see your contract name and its ID.



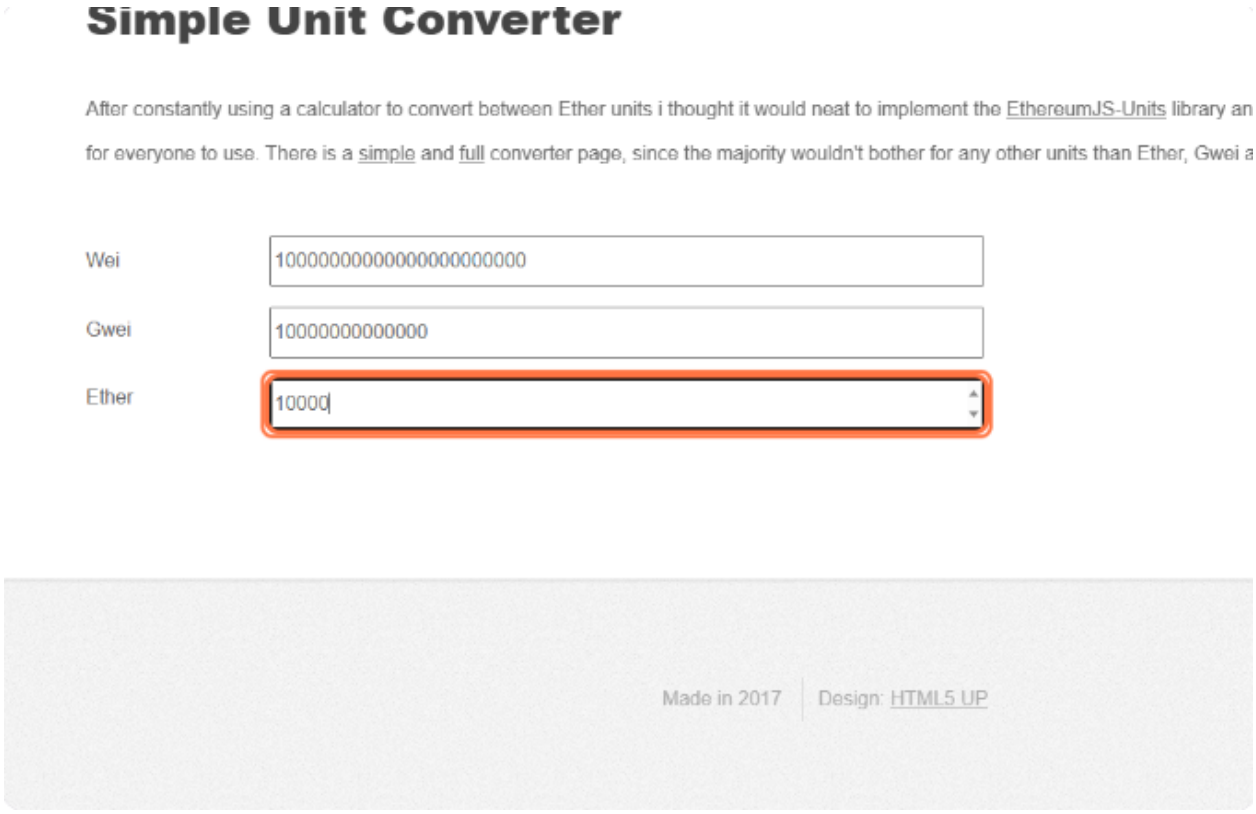
18. Click the dropdown arrow beside your contract.



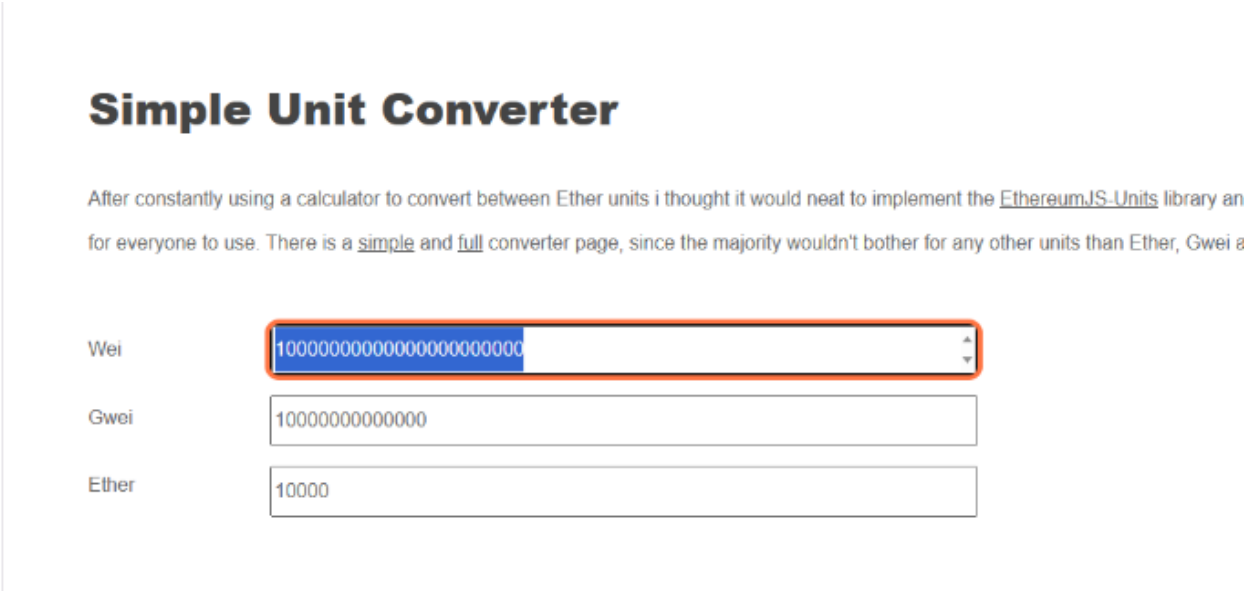
19. Scroll down and look for the **“totalSupply”** button and click it. You should be able to see your token value below it.



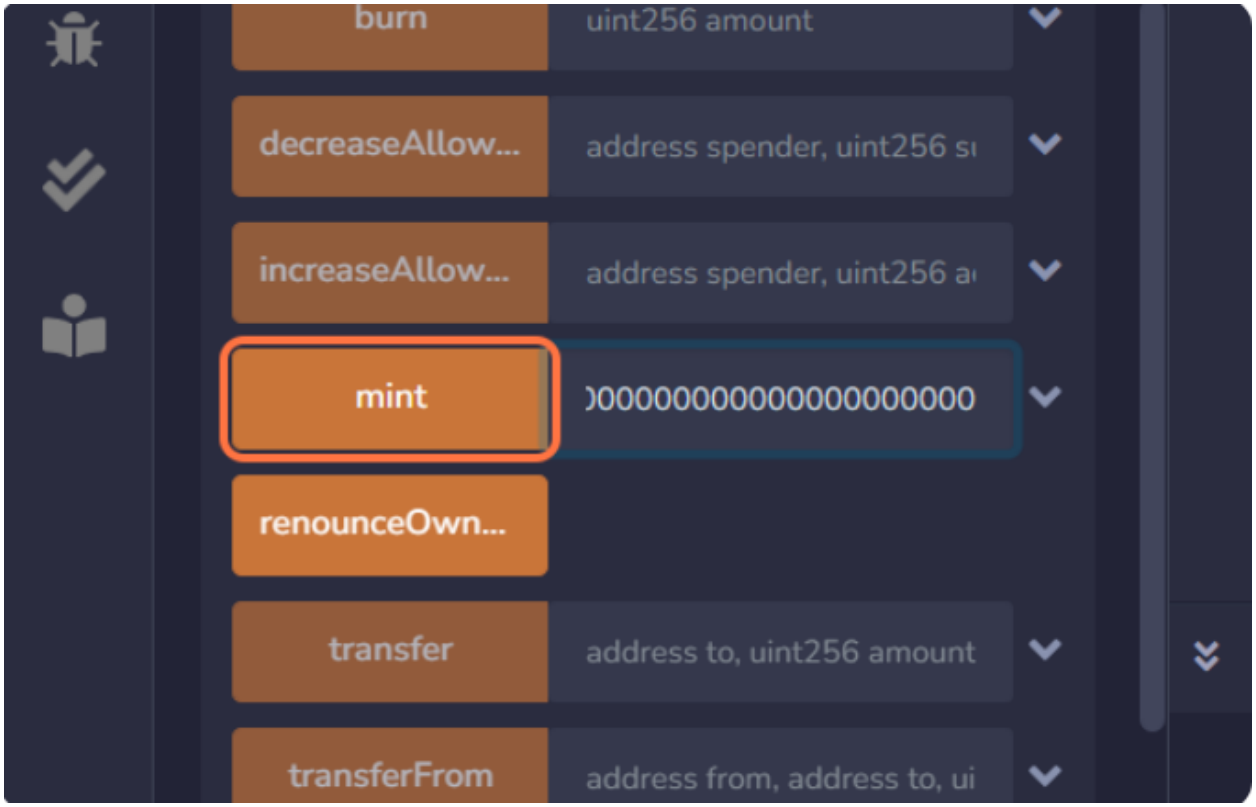
20. Let’s add some tokens using an Ethereum Converter. Go to this website https://eth-converter.com/ and type any amount on the Ether input field.



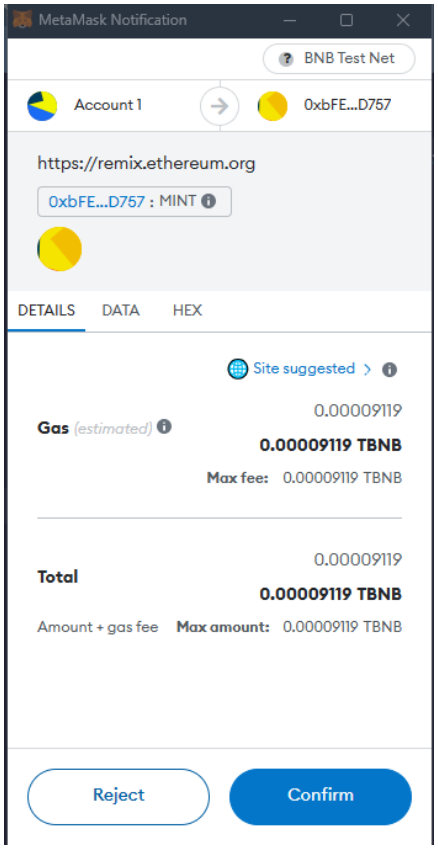
21. Highlight and copy its Wei converted value.



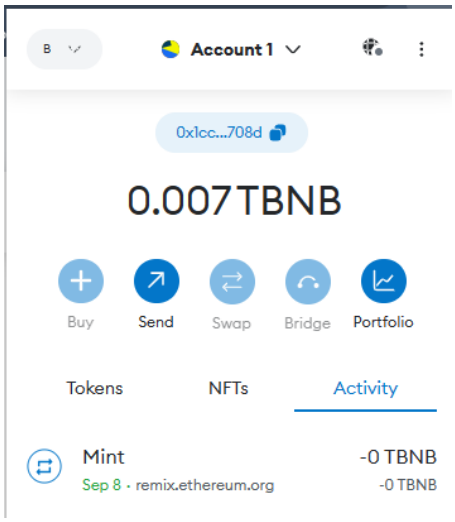
22. Go back to your Remix IDE. Look for the mint function and paste it on the input field beside it. Then click on the **“mint”** button.



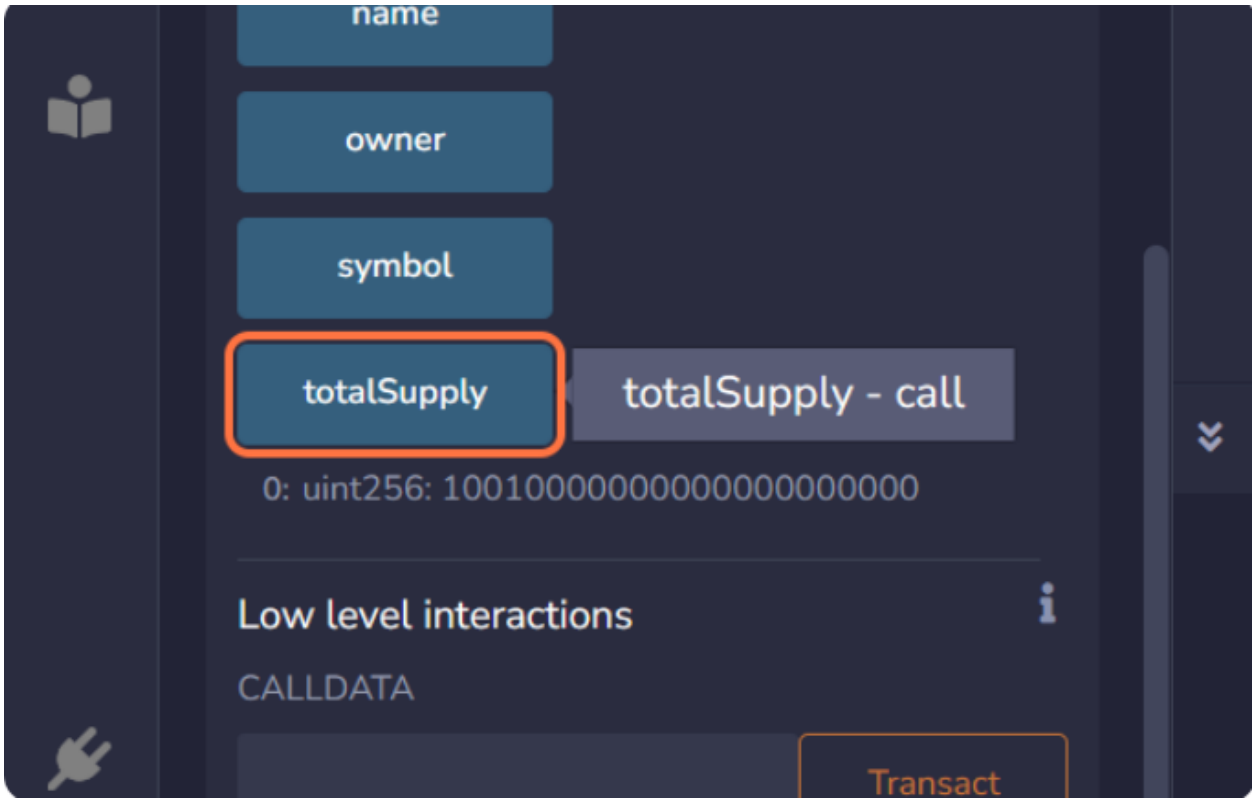
23. A Metamask prompt will show. Click on the **“Confirm”** button.



24. Check your Metamask account. You will be able to see a Mint transaction in your activity.

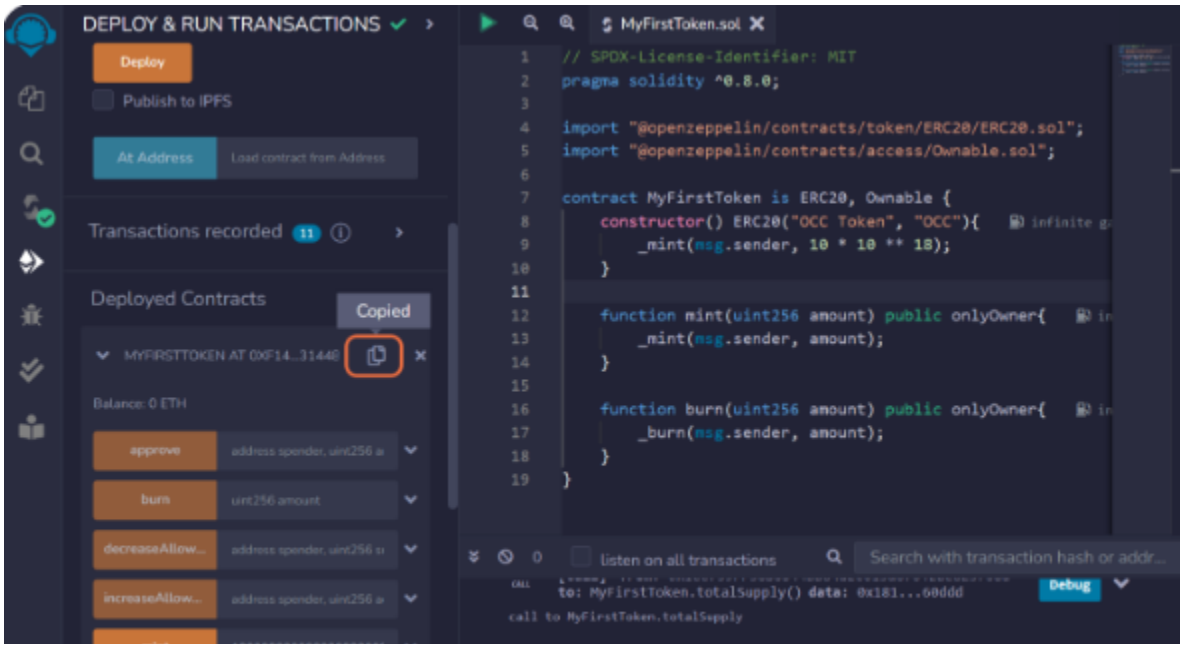


25. Go back to your Remix IDE. Click the **“totalSupply”** button again. You should be able to see changes in its value.

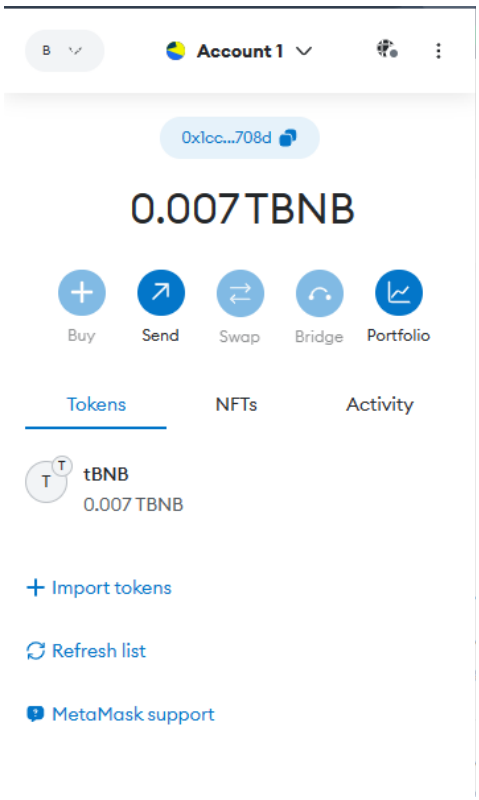


Step 2: Adding a custom token in your MetaMask Wallet.

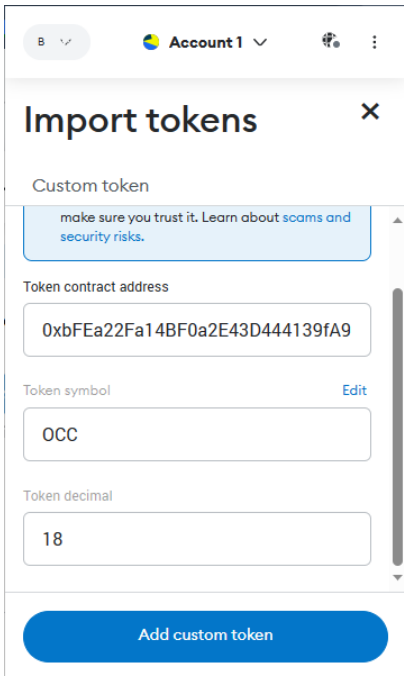
1. Copy your Contract ID by clicking the copy icon beside it.



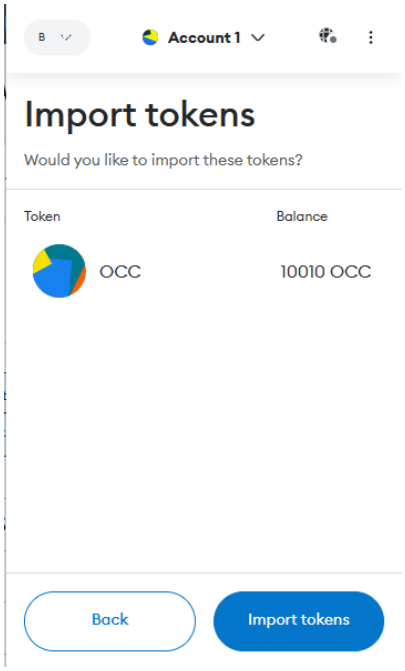
2. Go to your MetaMask account and click on the **Tokens** tab. Then click on **Import token**



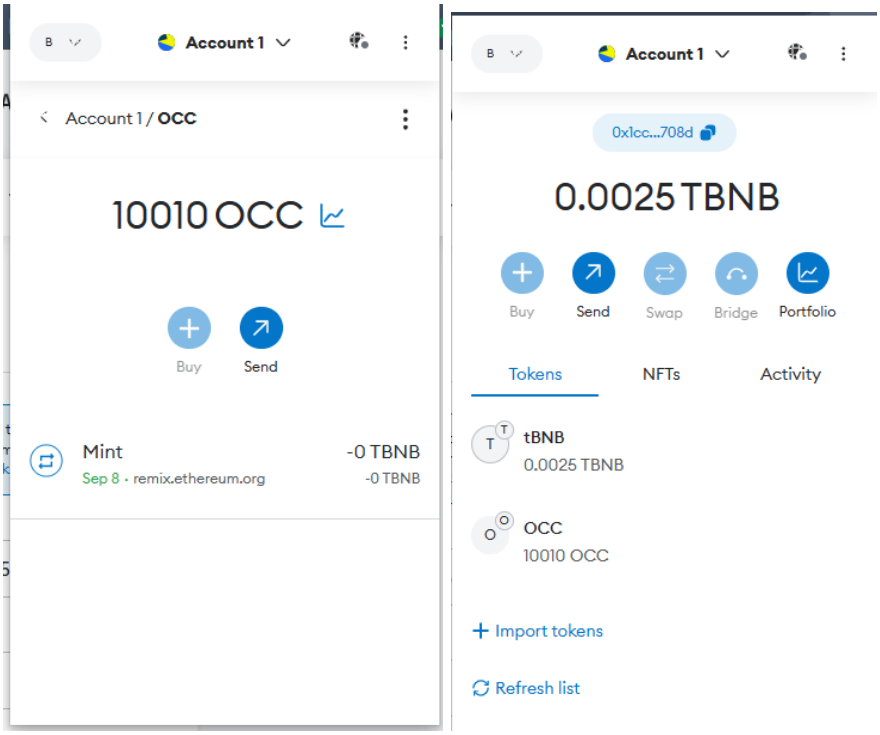
3. Paste your Contract Id on the first input field. Write your token symbol on the next field. Then click on the **“Add custom token”** button.



4. Click on the **“Import tokens”** button.

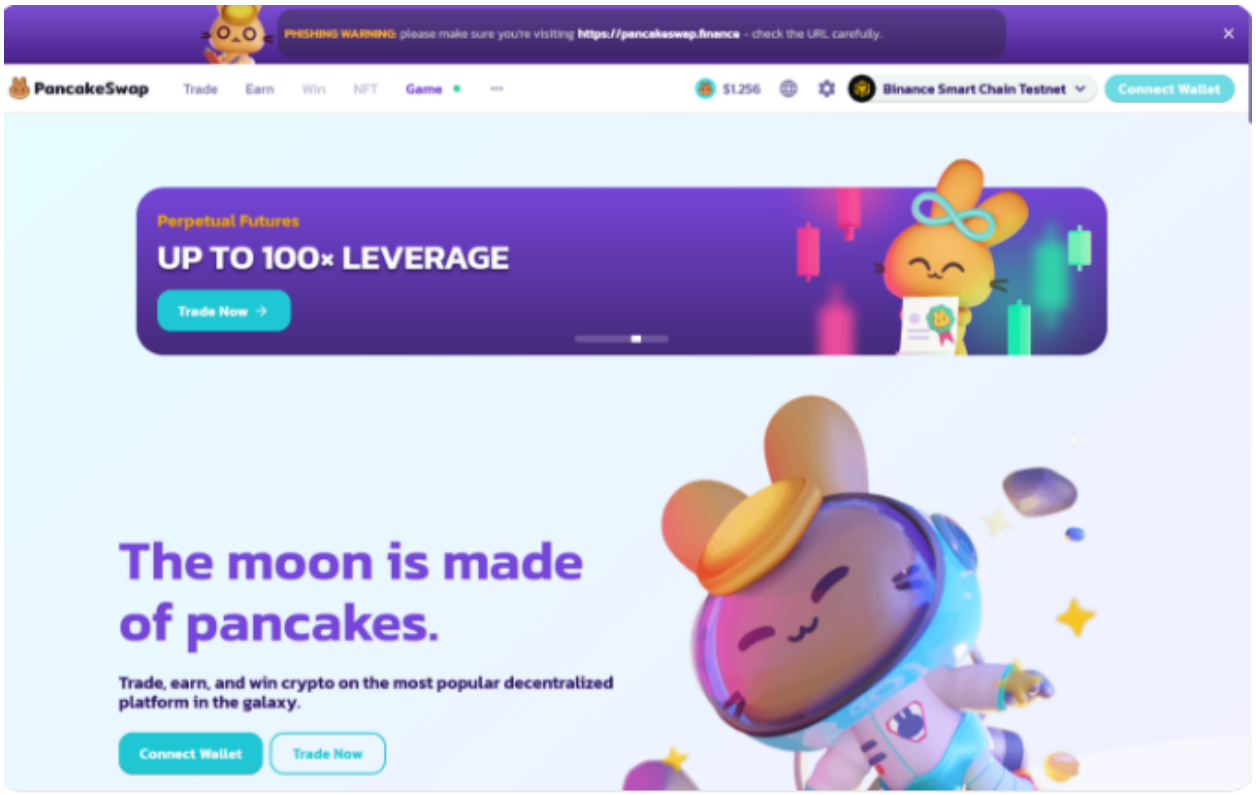


5. You should now be able to see this token in your account.

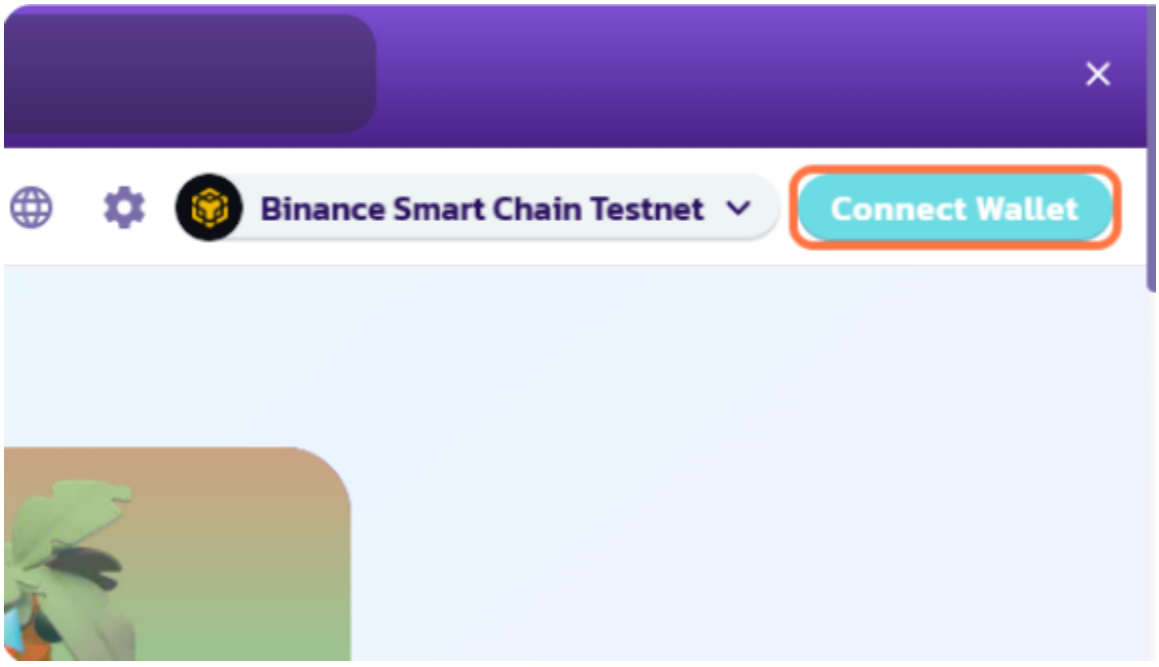


Step 3: Add Liquidity To Your Token Using PancakeSwap

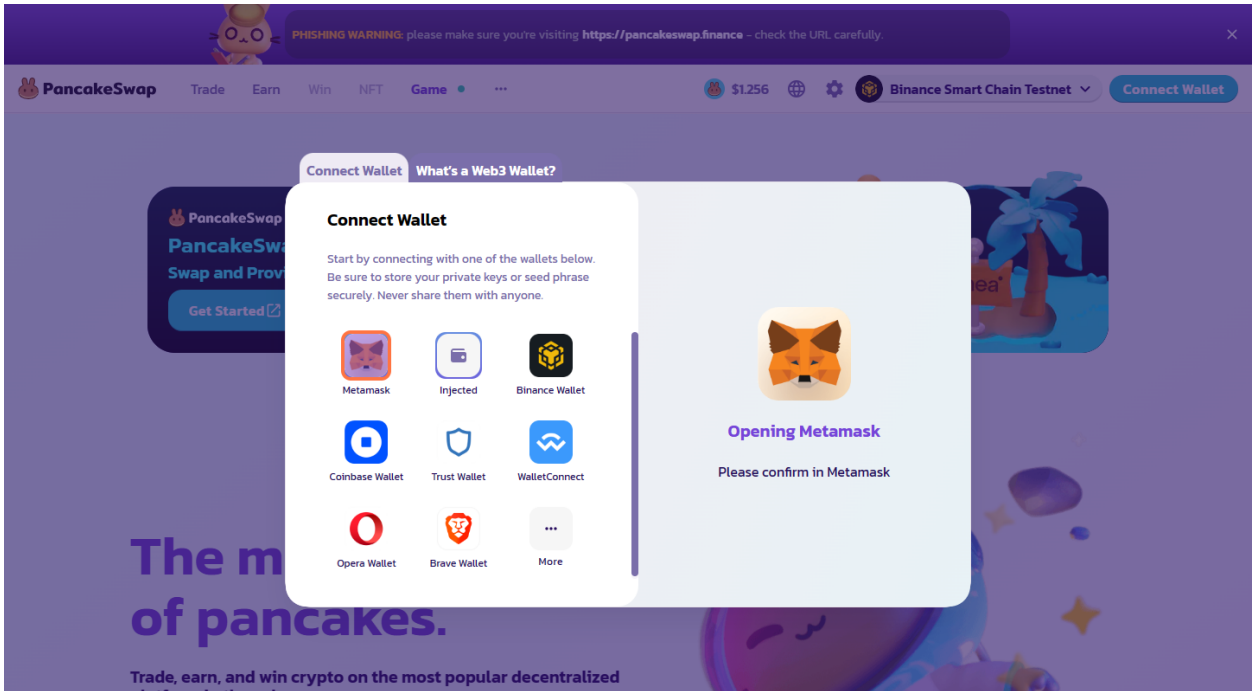
1. Go to this website https://pancakeswap.finance/liquidity?chain=bscTestnet



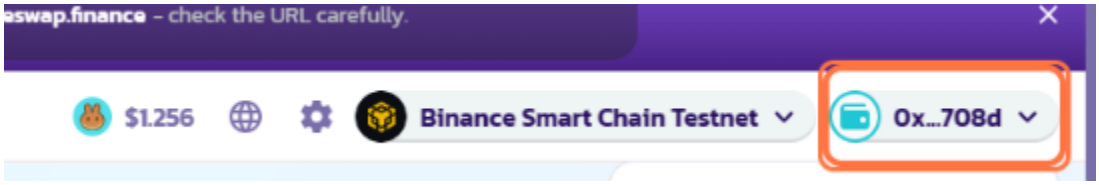
2. Click on the **“Connect Wallet”** button.



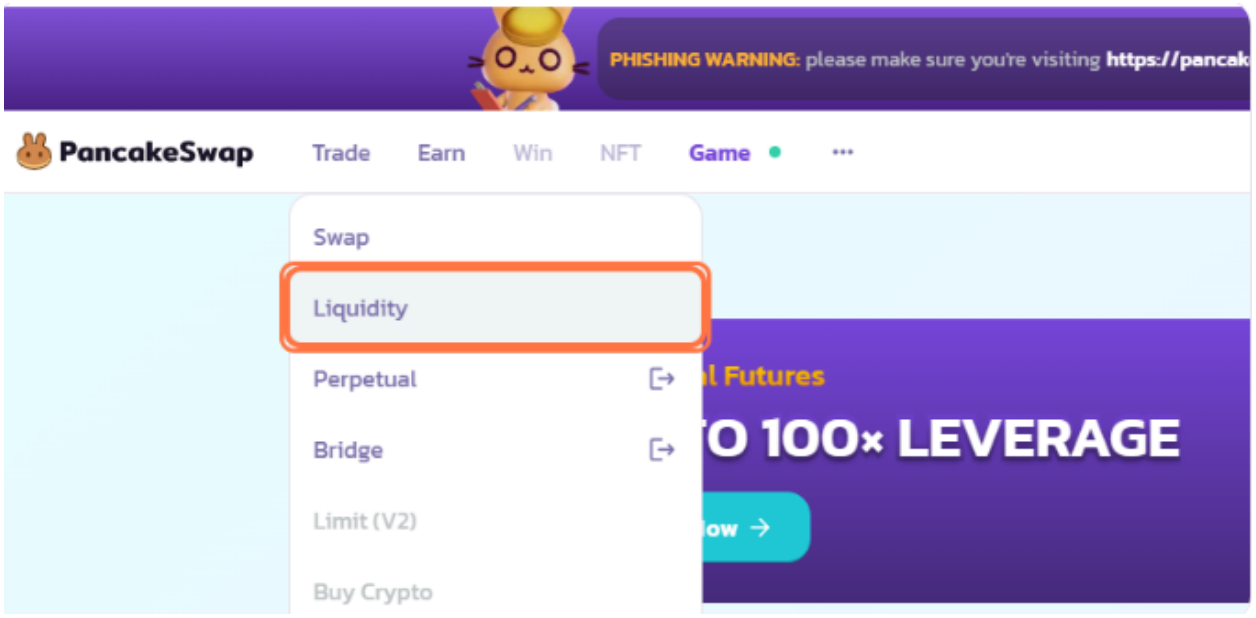
3. Then click on the Metamask option.



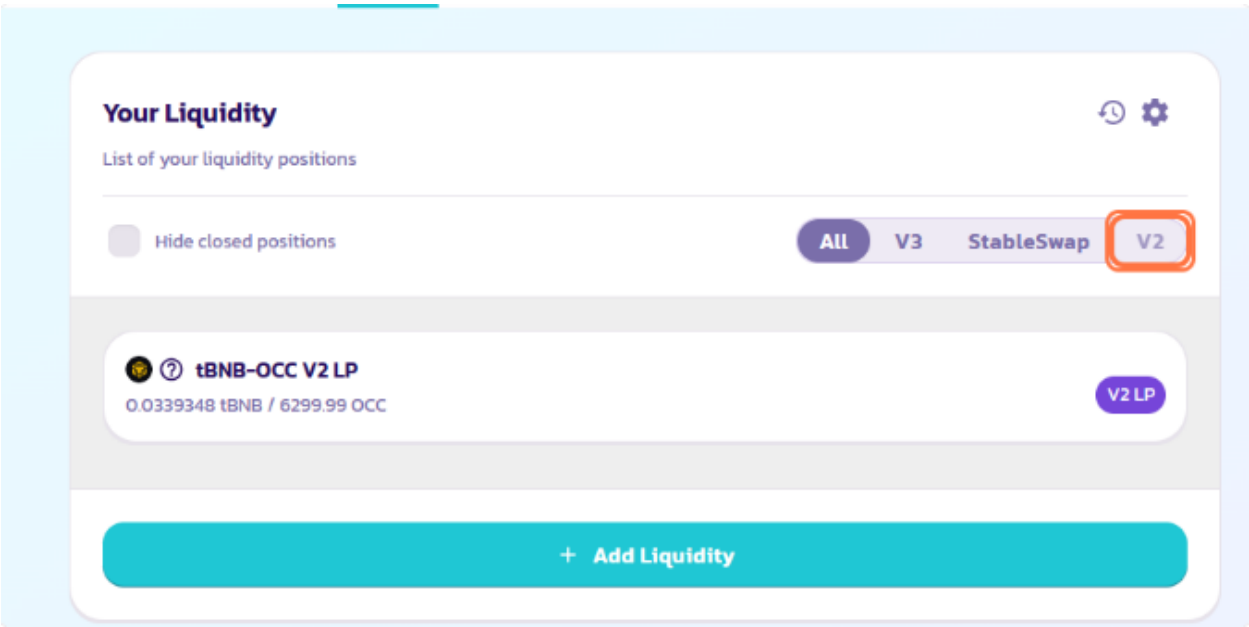
4. You should be able to see your Metamask Account ID connected.



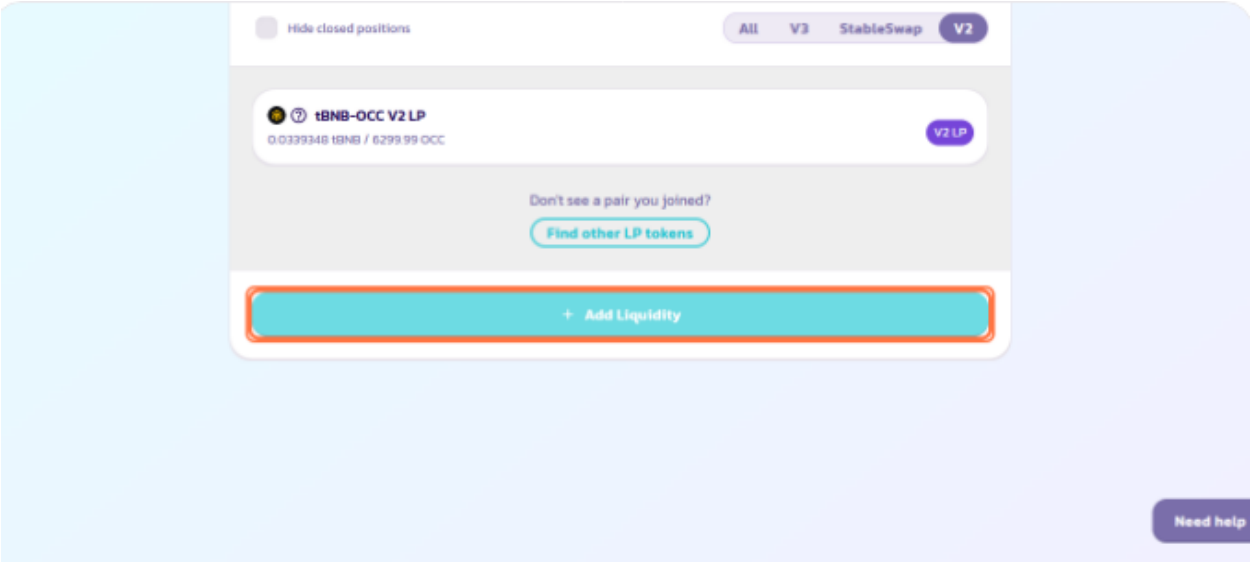
5. In the navigation bar, hover the **"Trade"** and click on **Liquidity.**



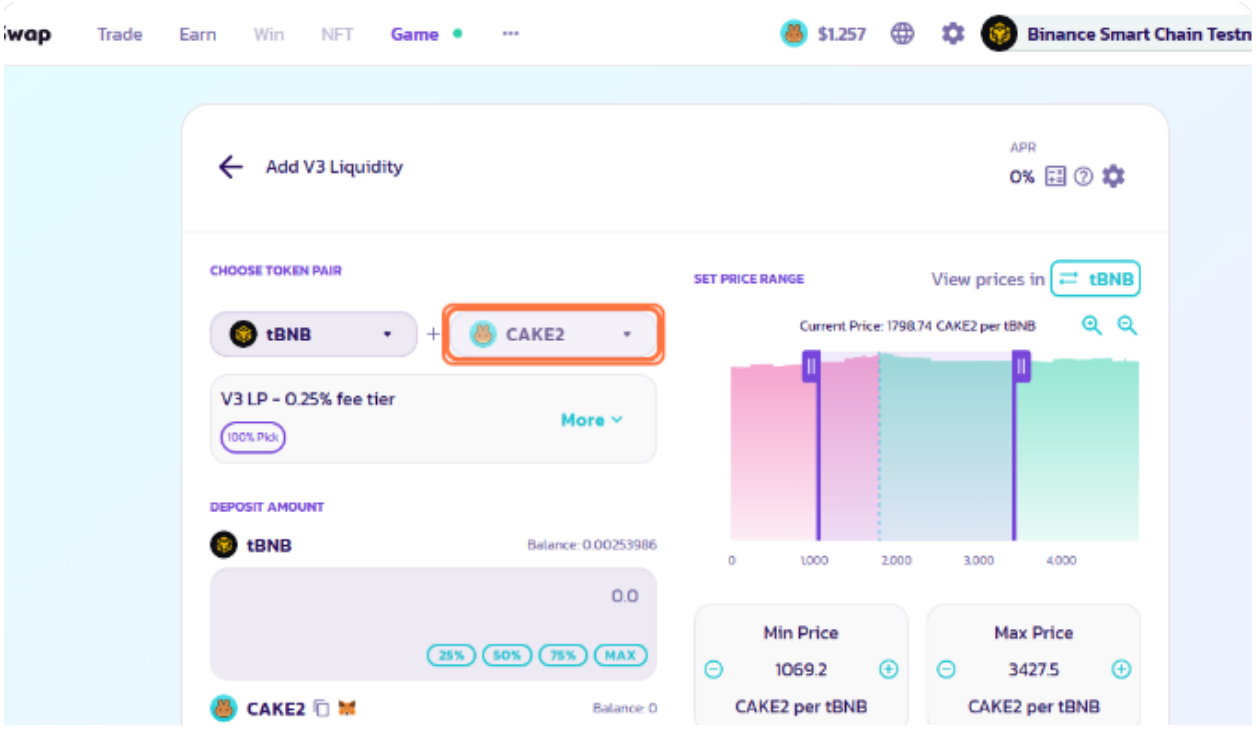
6. Choose the **V2** option.



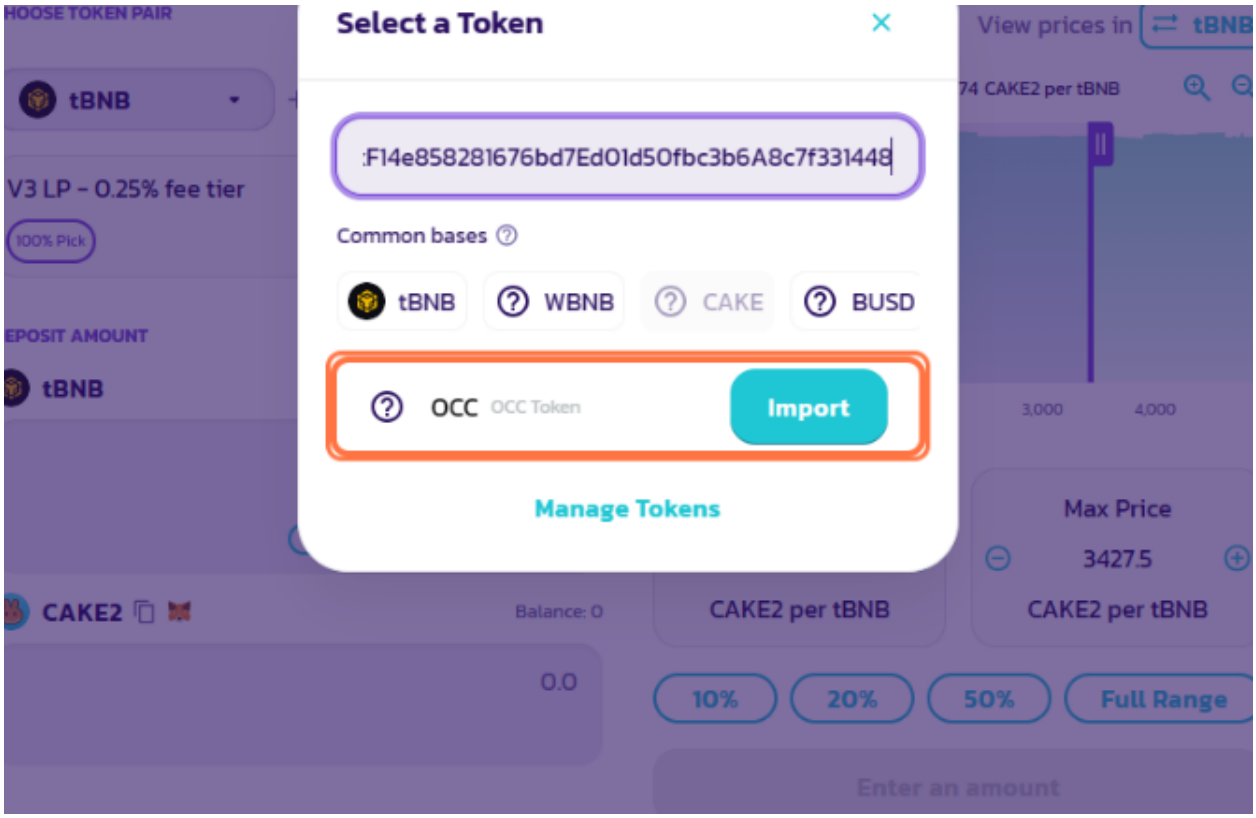
7. Then click the **“Add Liquidity”** button.



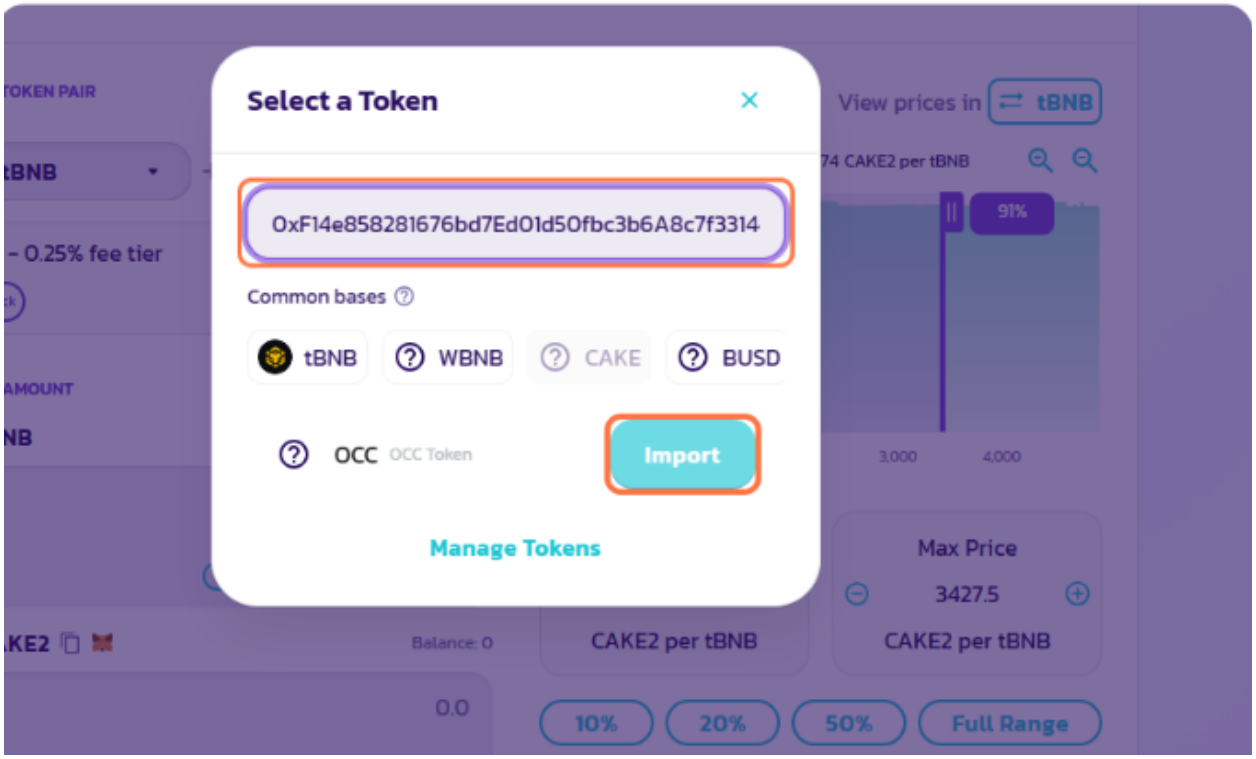
8. We can choose any kind of token pair. Click on the second token,



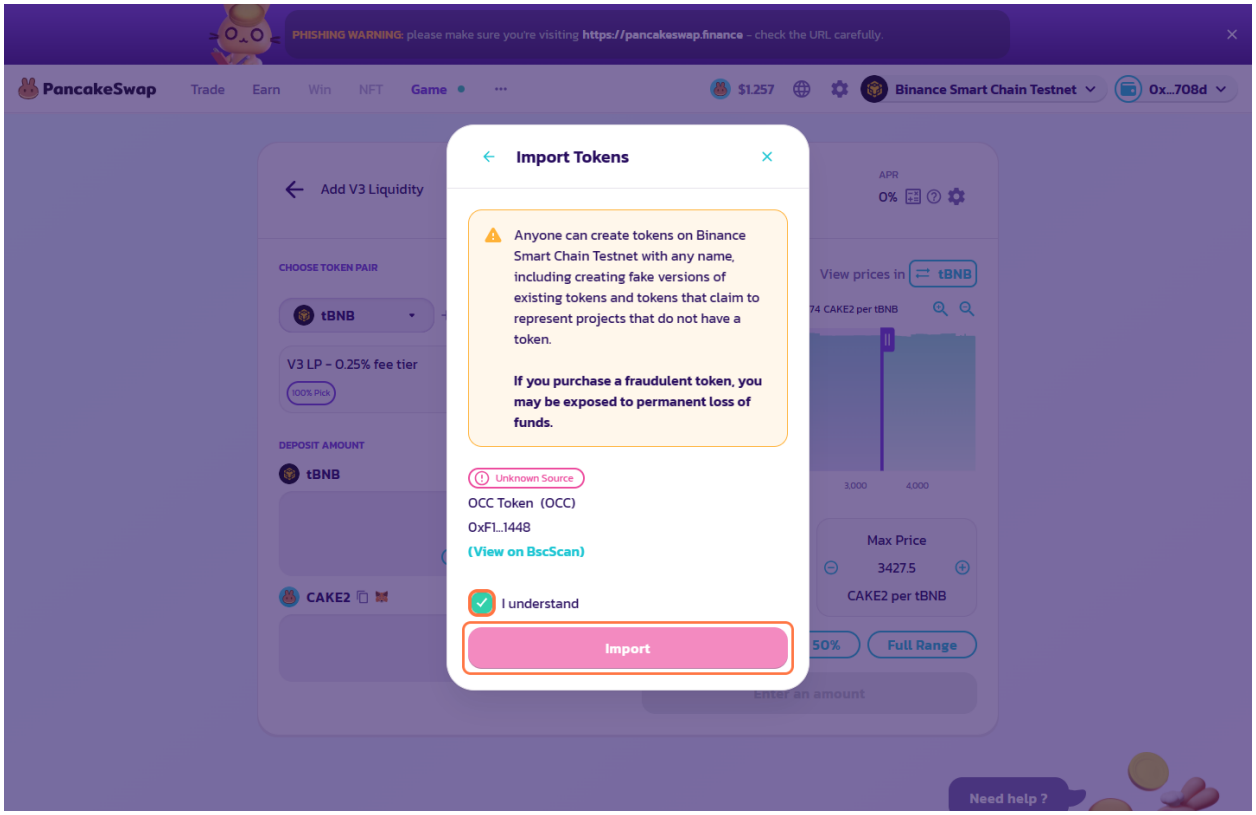
9. This will allow us to select any token or add our own token. Paste your Contract ID inside the input field. You should be able to see your token symbol and token name.



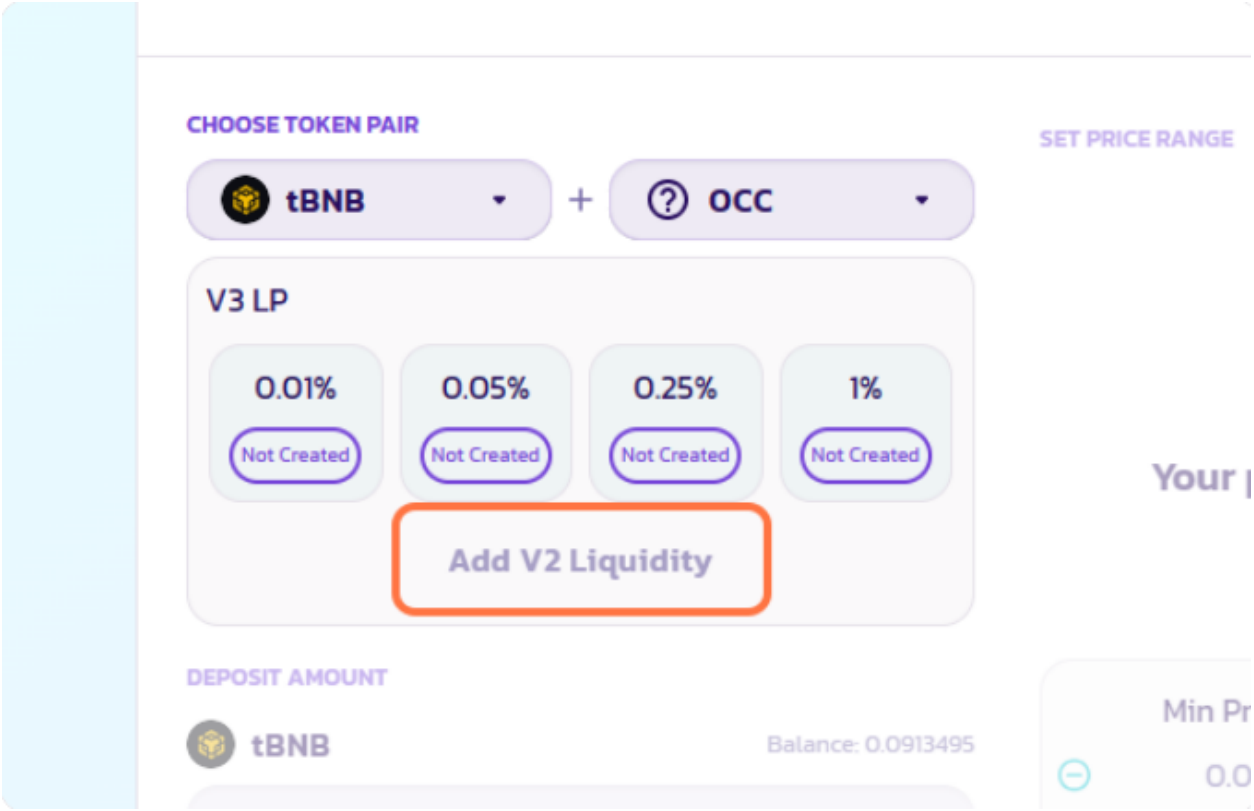
10. Click the **“Import”** icon.



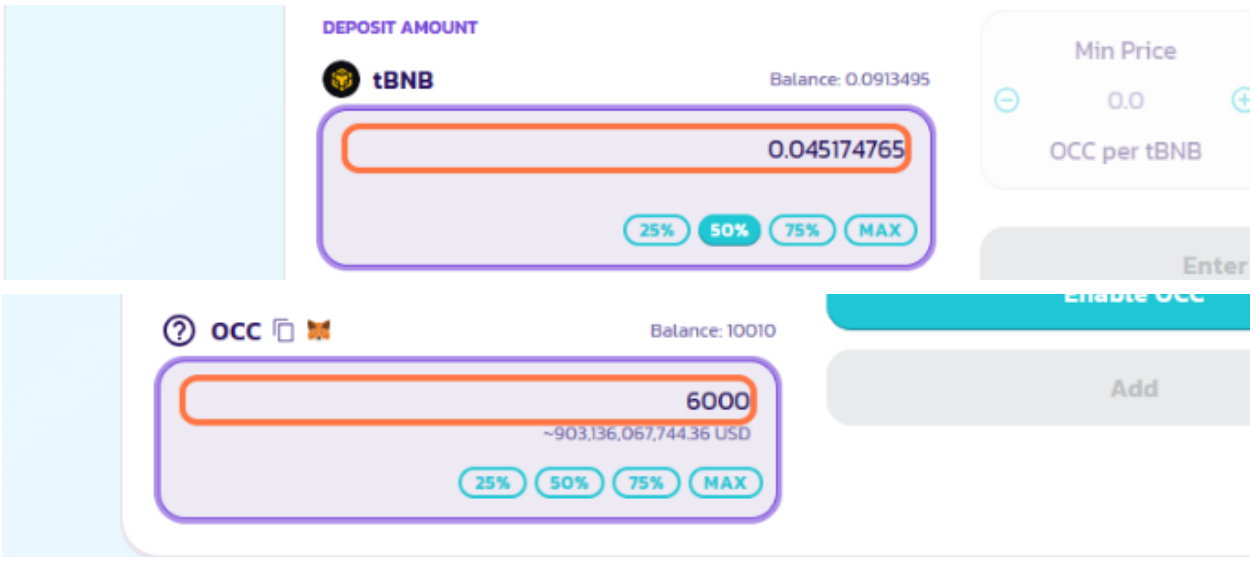
11. Check the **“I understand”** box and then click on the **“Import”** button again.



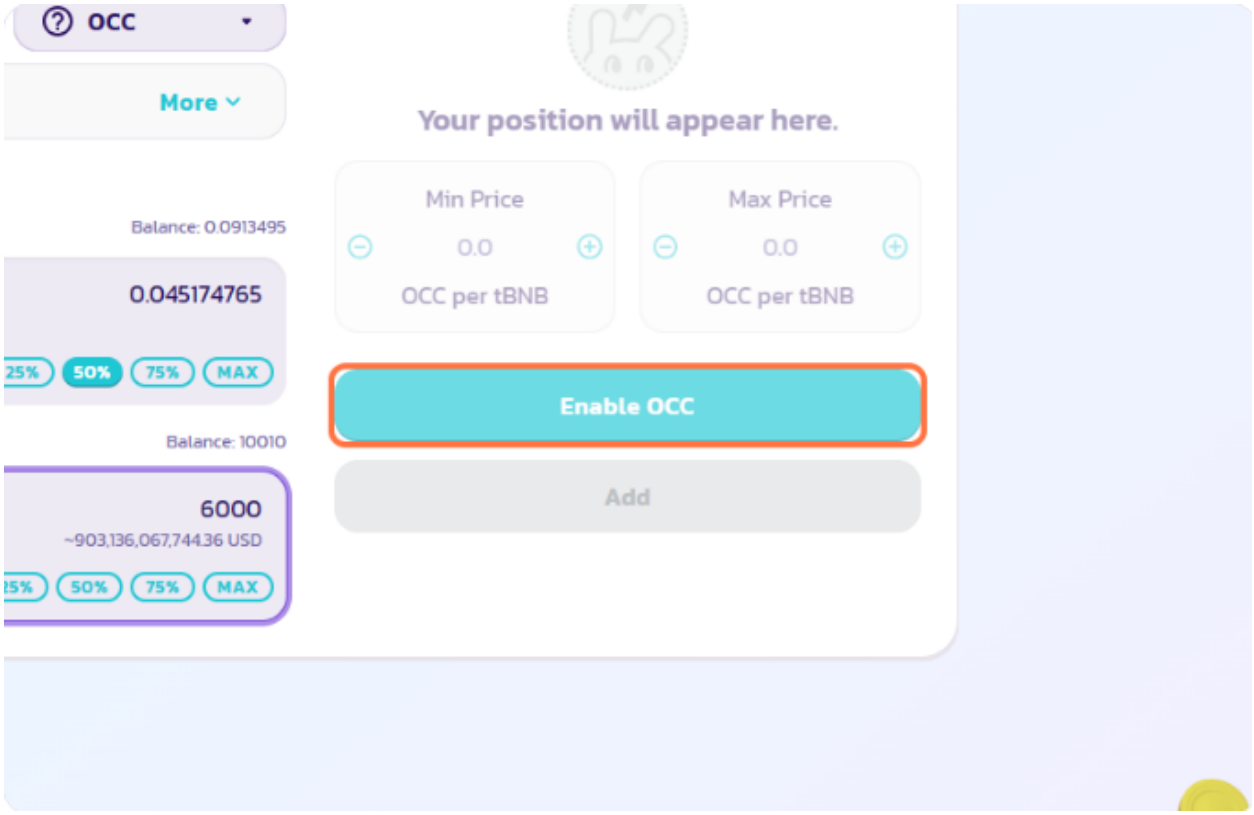
12. Click on the **“Add V2 Liquidity”** button.



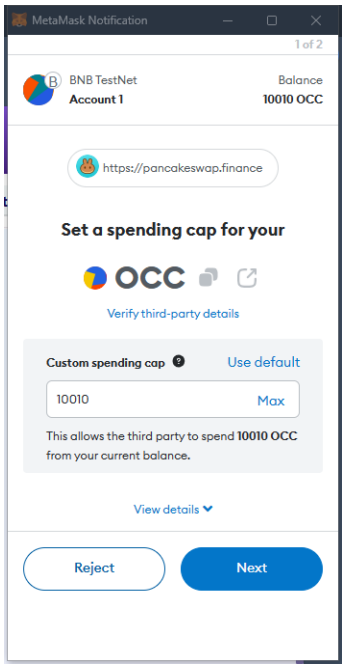
13. Enter any amount or choose any percentage. Make sure that the amount you entered is not exceeding the balance.



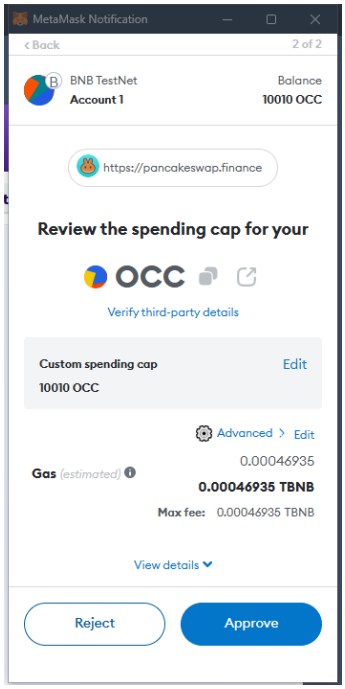
14. Click on **“Enable OCC”** button.



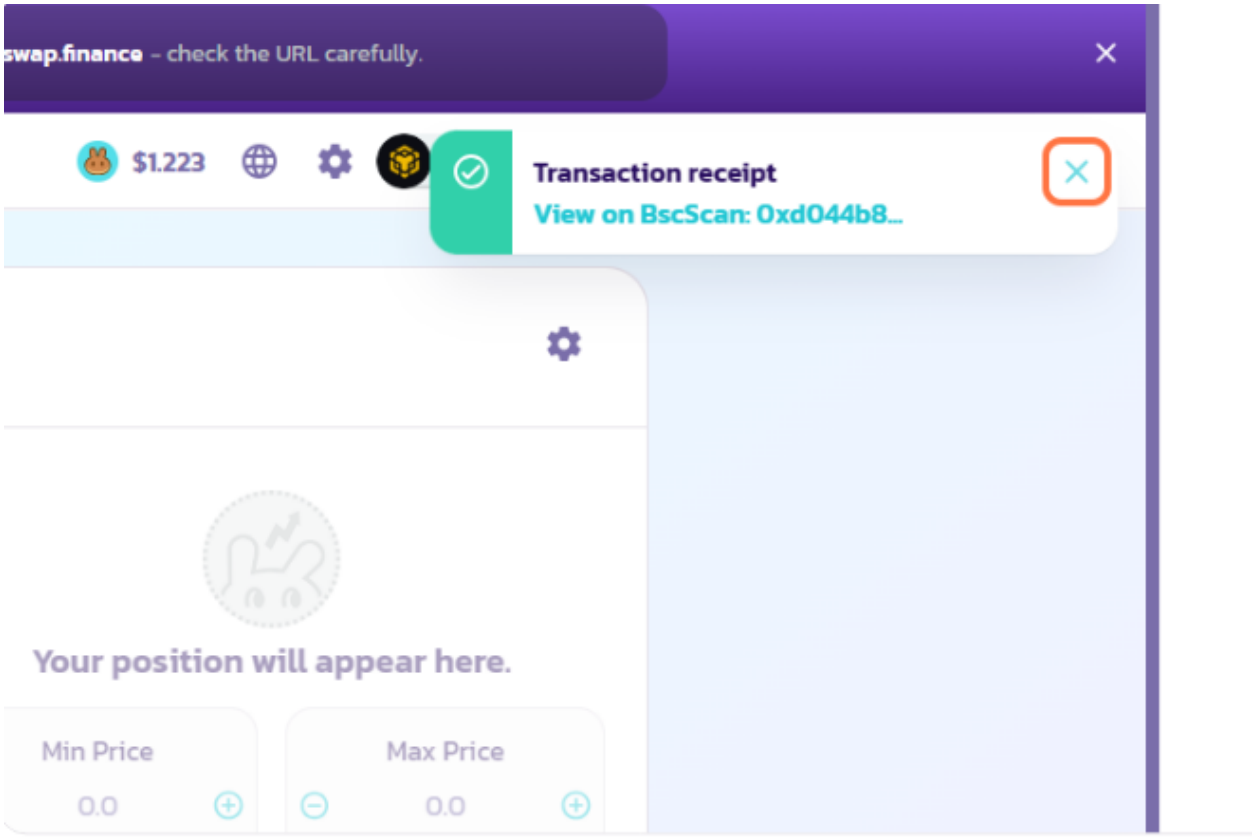
15. A Metamask prompt will ask for the spending cap. Click on **“Max”** and then click on the **“Next”** button.



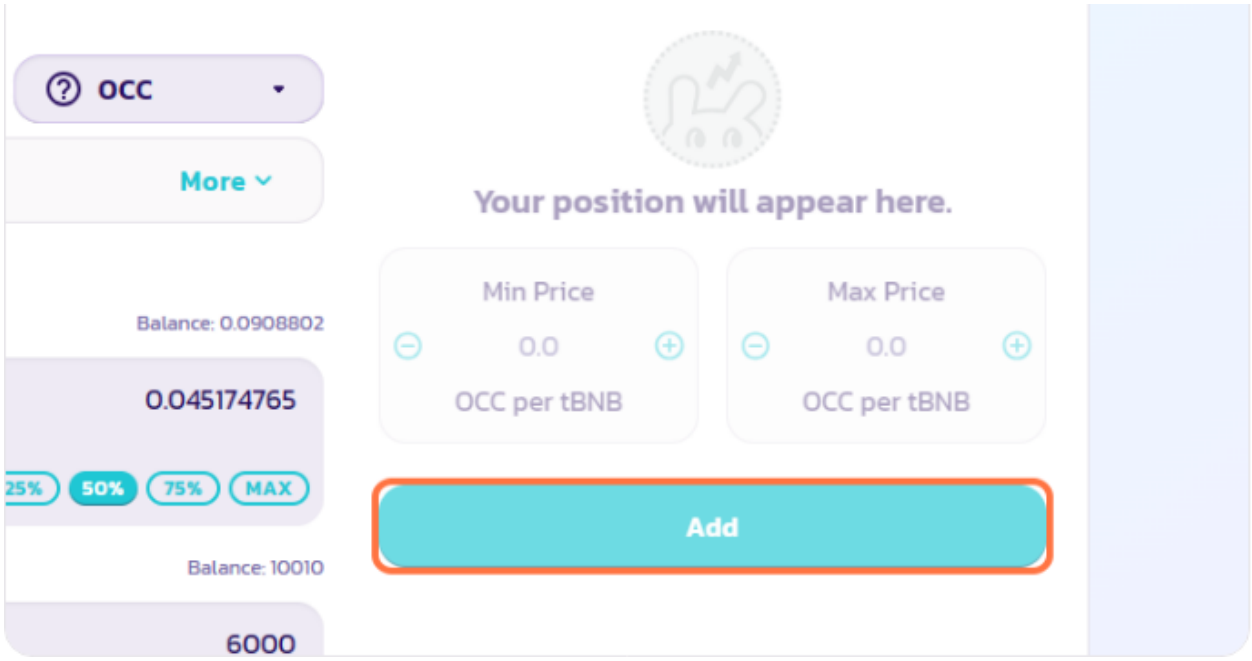
16. Metamask will then ask for approval. Click on the **“Approve”** button.



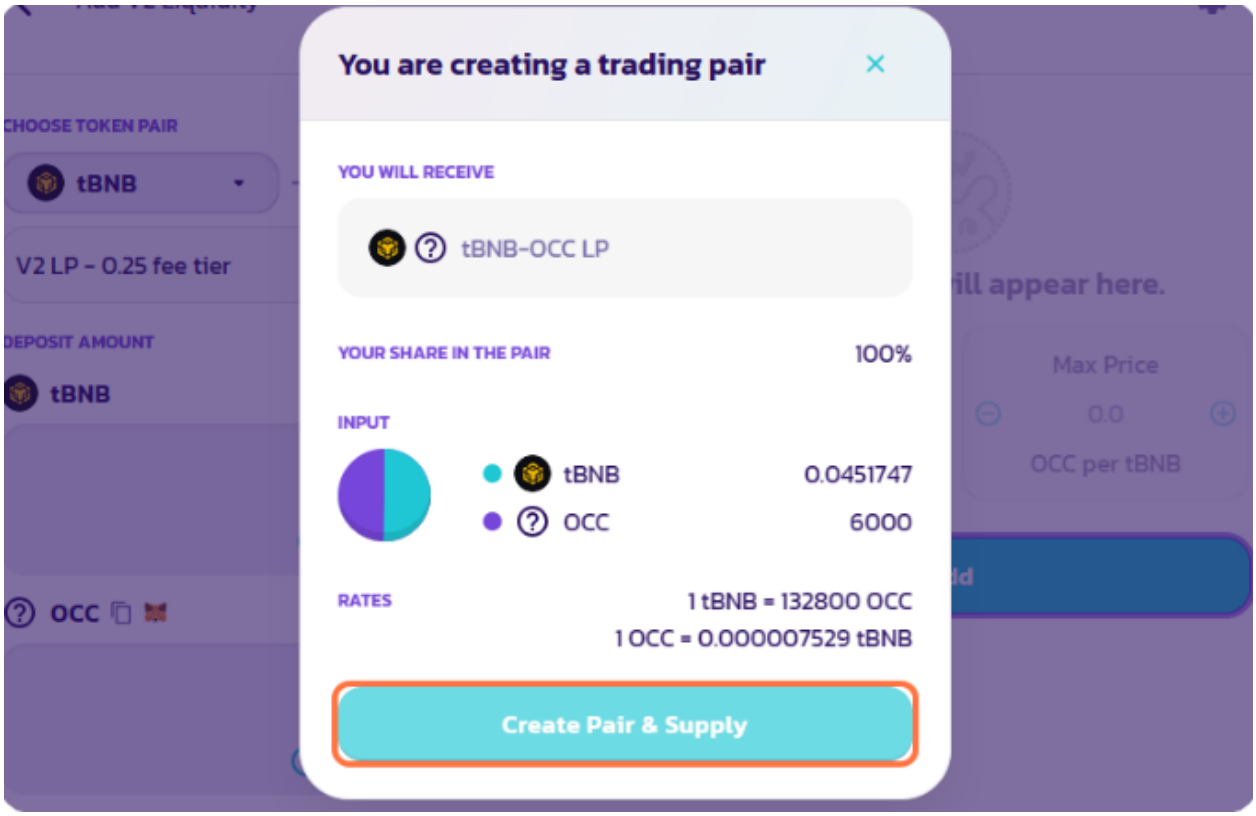
17. A Transaction Receipt notification should appear.



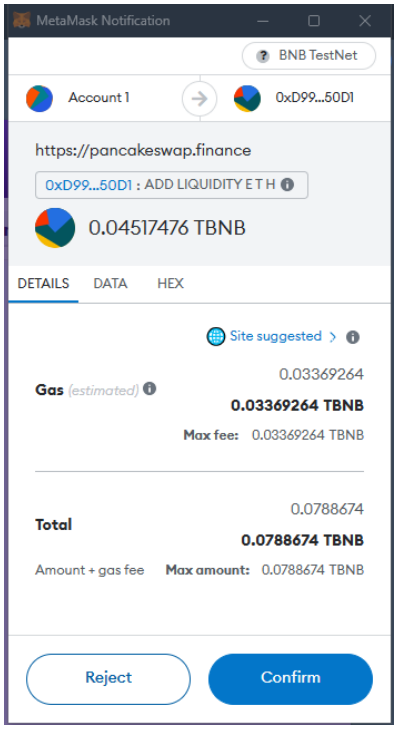
18. Create a a trading pair by clicking the **“Add”** button.



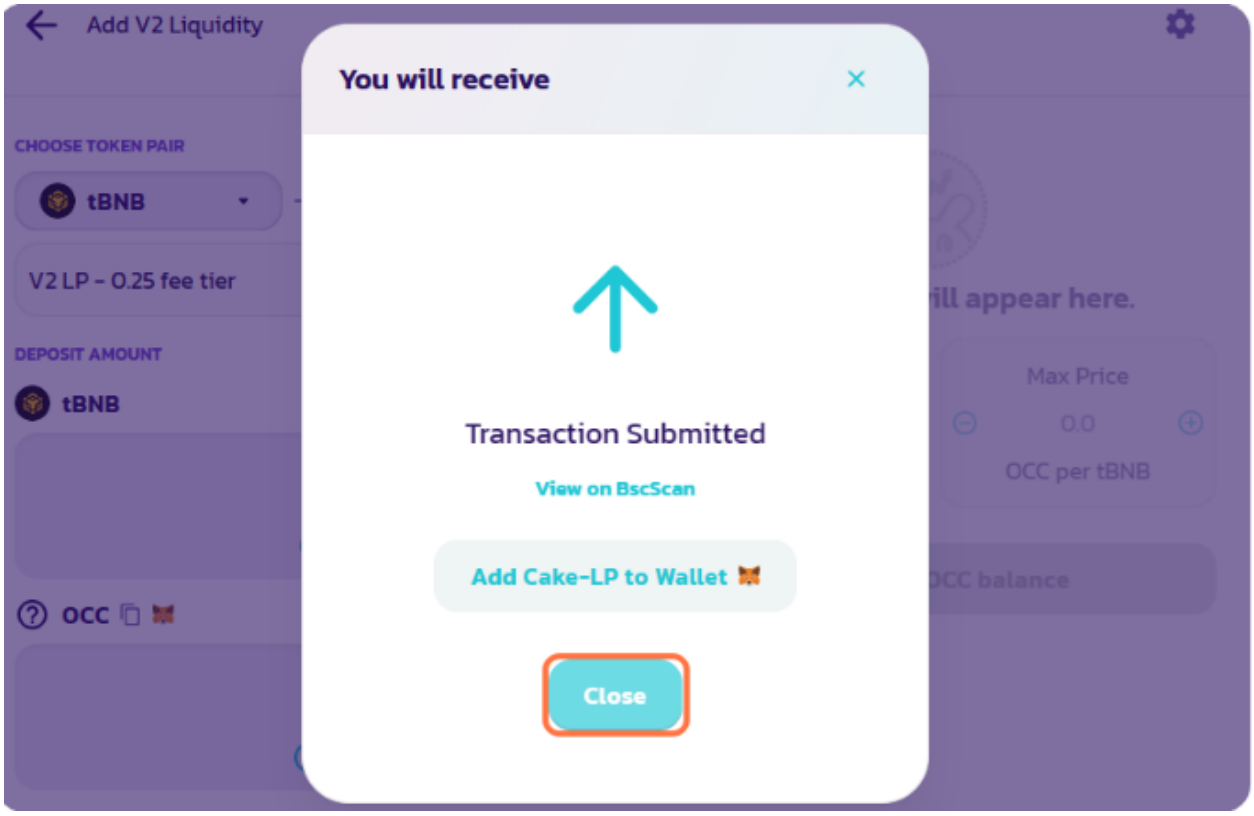
19. Pancake Swap will show the details of the trade. Click the **“Create Pair & Supply”** button.



20. A Metamask prompt will ask for confirmation. Click the **“Confirm”** button.

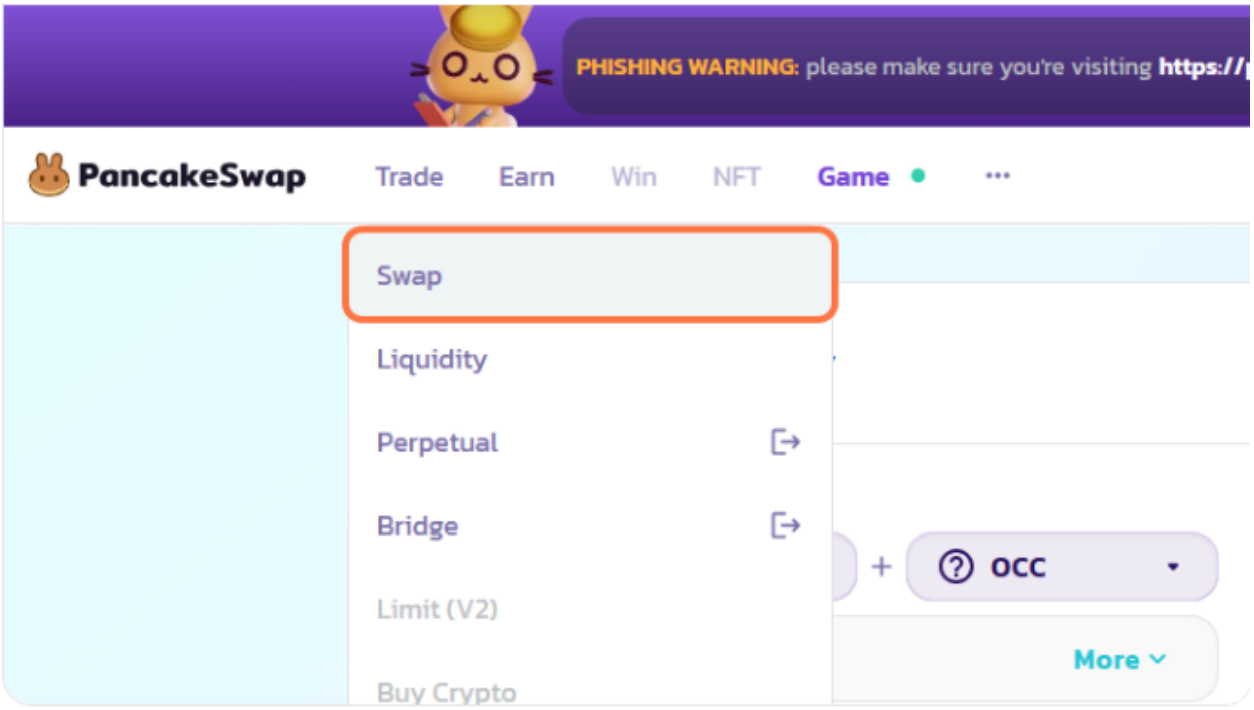


21. Pancake Swap will inform us that the transaction has been submitted. Close this by clicking the **“Close**” button.

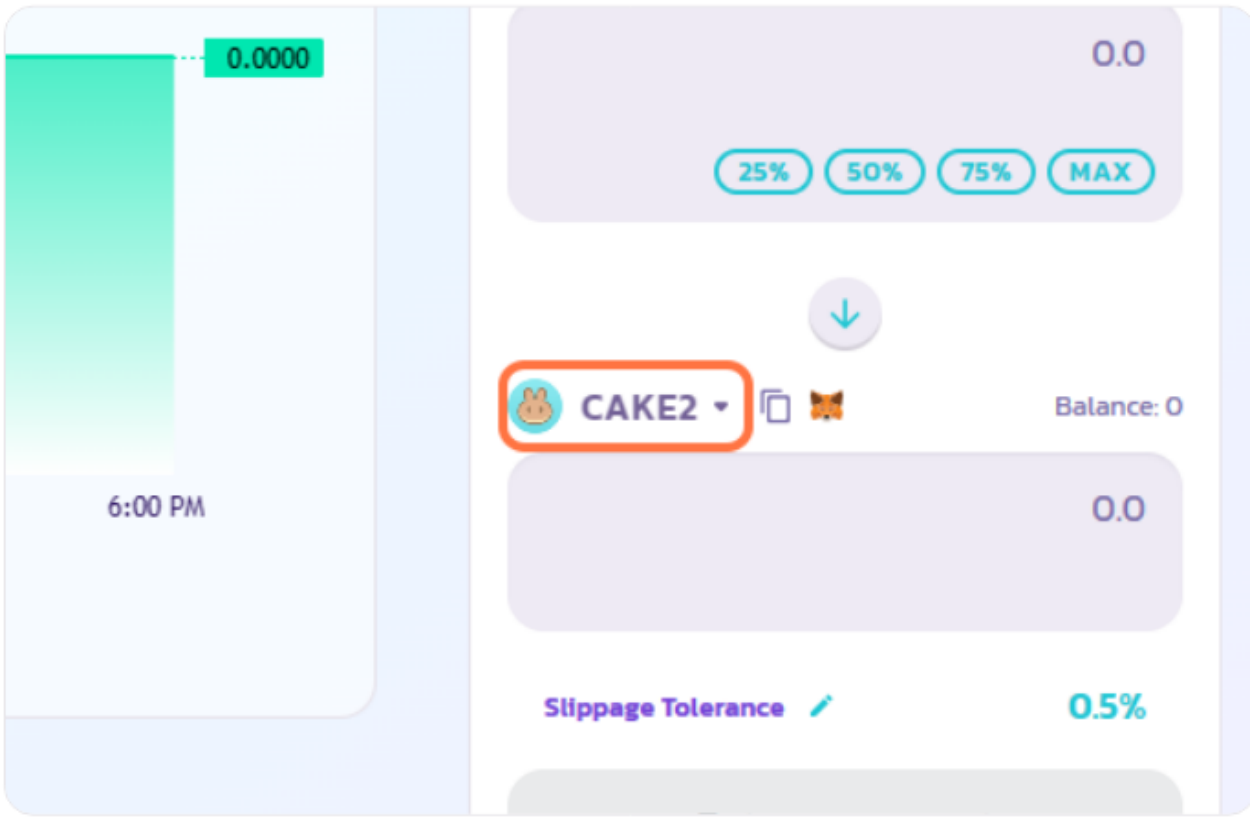


Step 4: Swapping Tokens

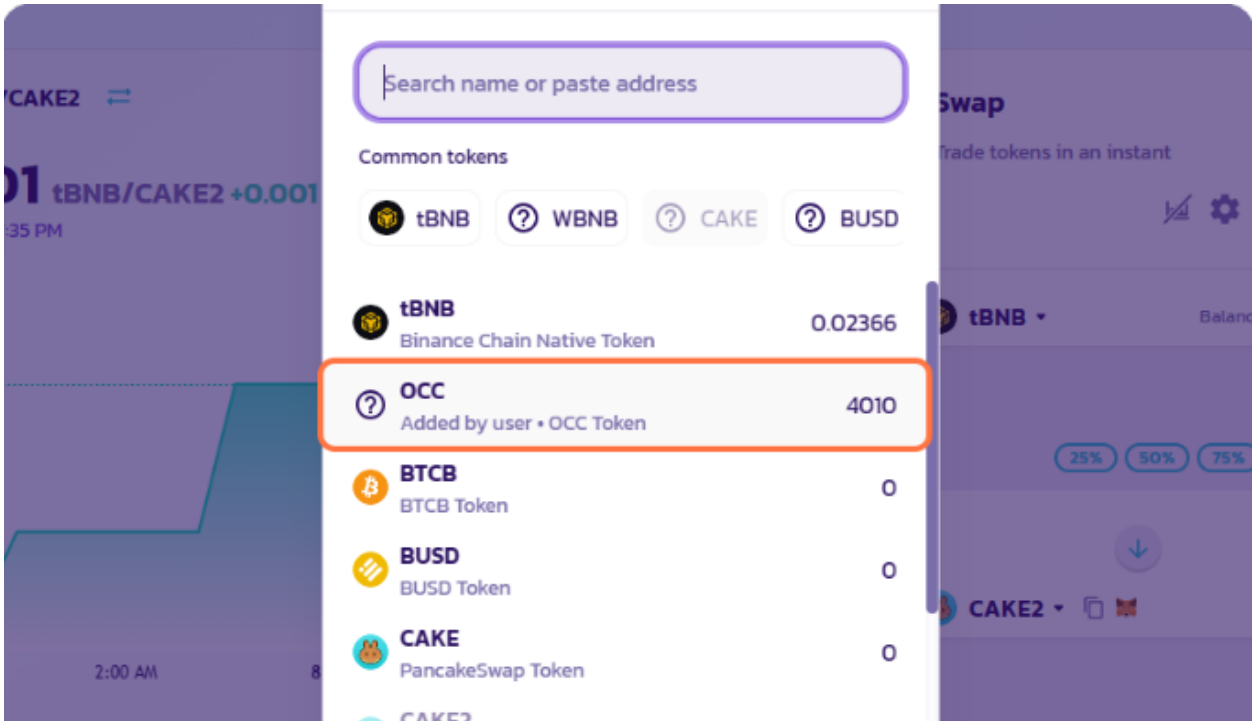
1. In the navigation bar, hover the **“Trade”** and click on **Swap.**



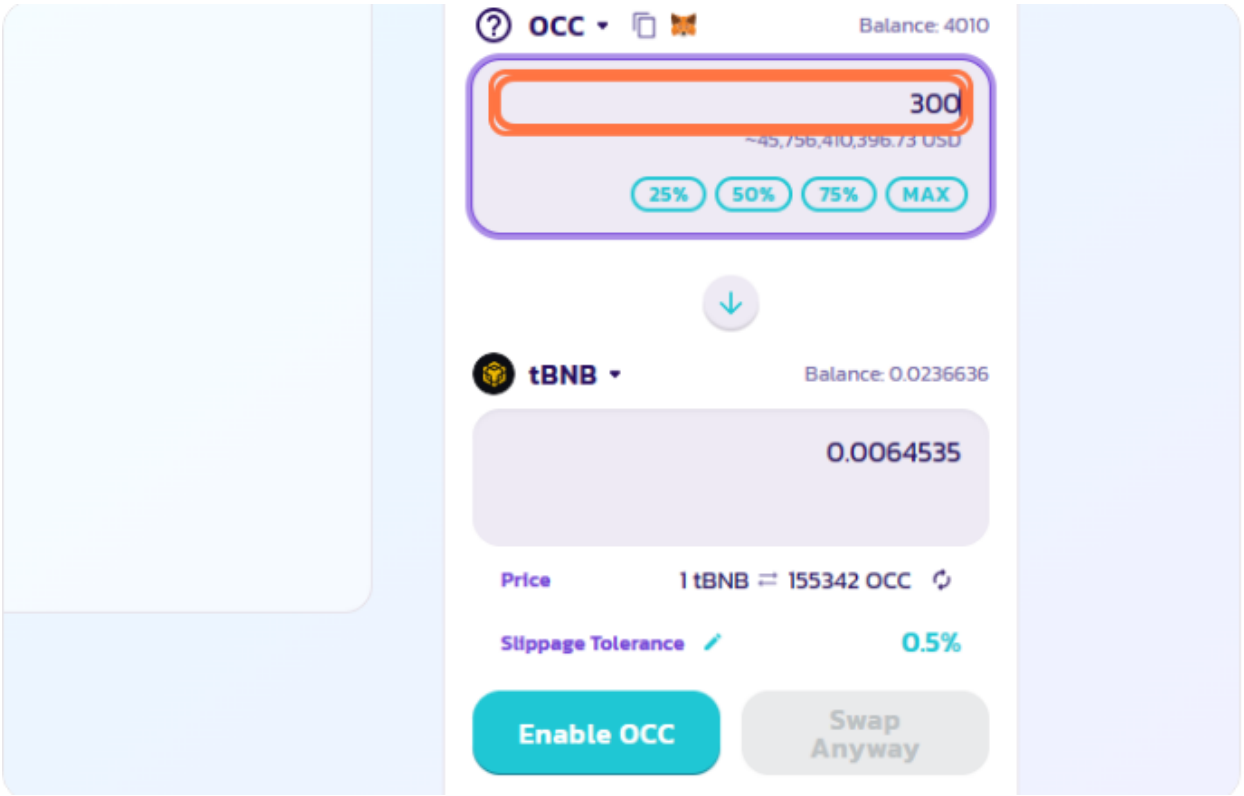
2. Change the token to your imported token. Click any of the token names.



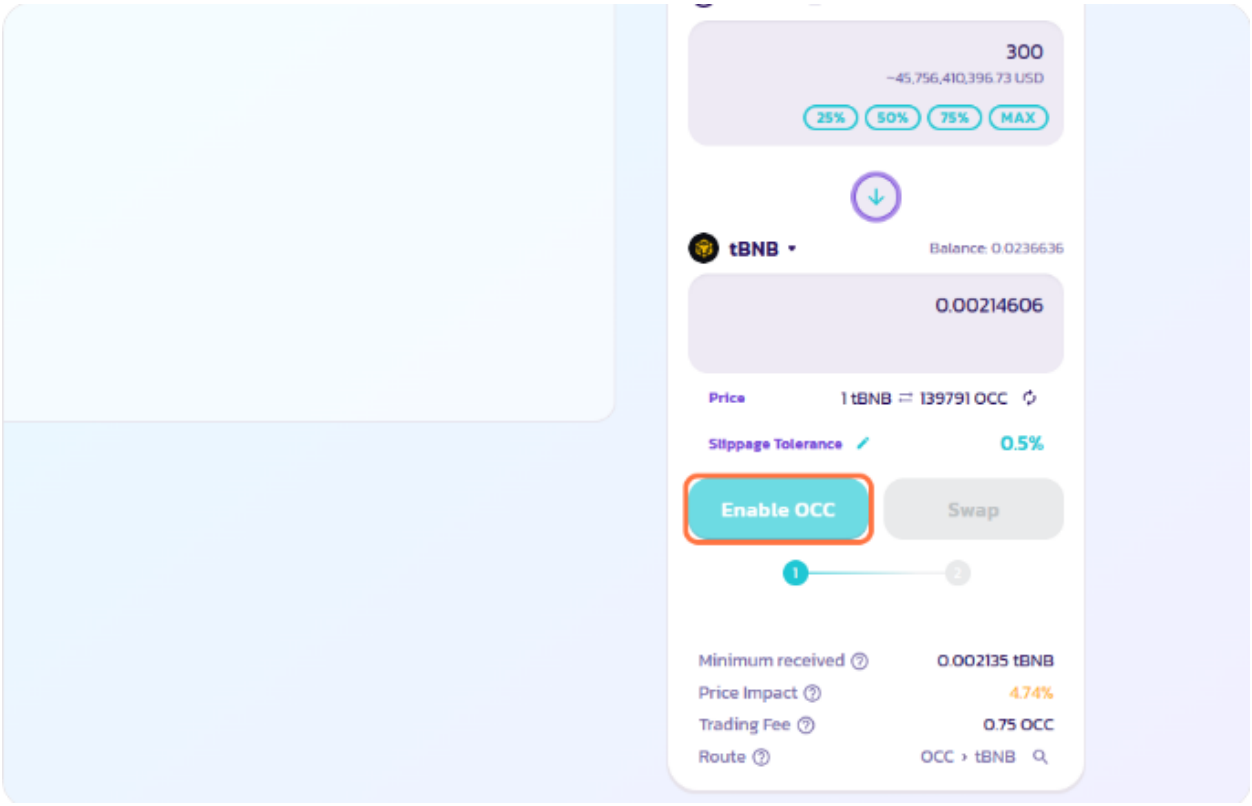
3. Choose your token.



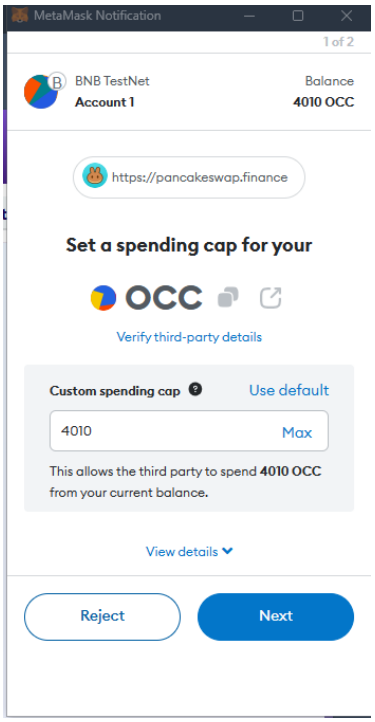
4. Enter any amount or click on any percentage on both fields. Make sure it doesn't exceed the total balance indicated on the top right of each field. Notice below that the **Price** shows the conversion of the value of your token against the value of the other token you chose.



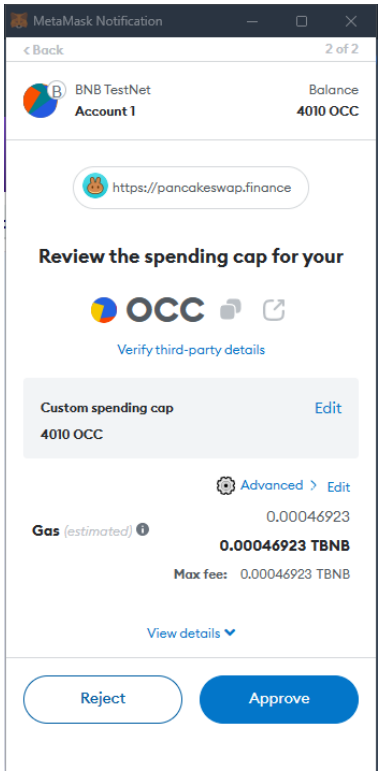
5. Swapping will take 2-steps. First step is to enable OCC. Click on the **“Enable OCC”** button.



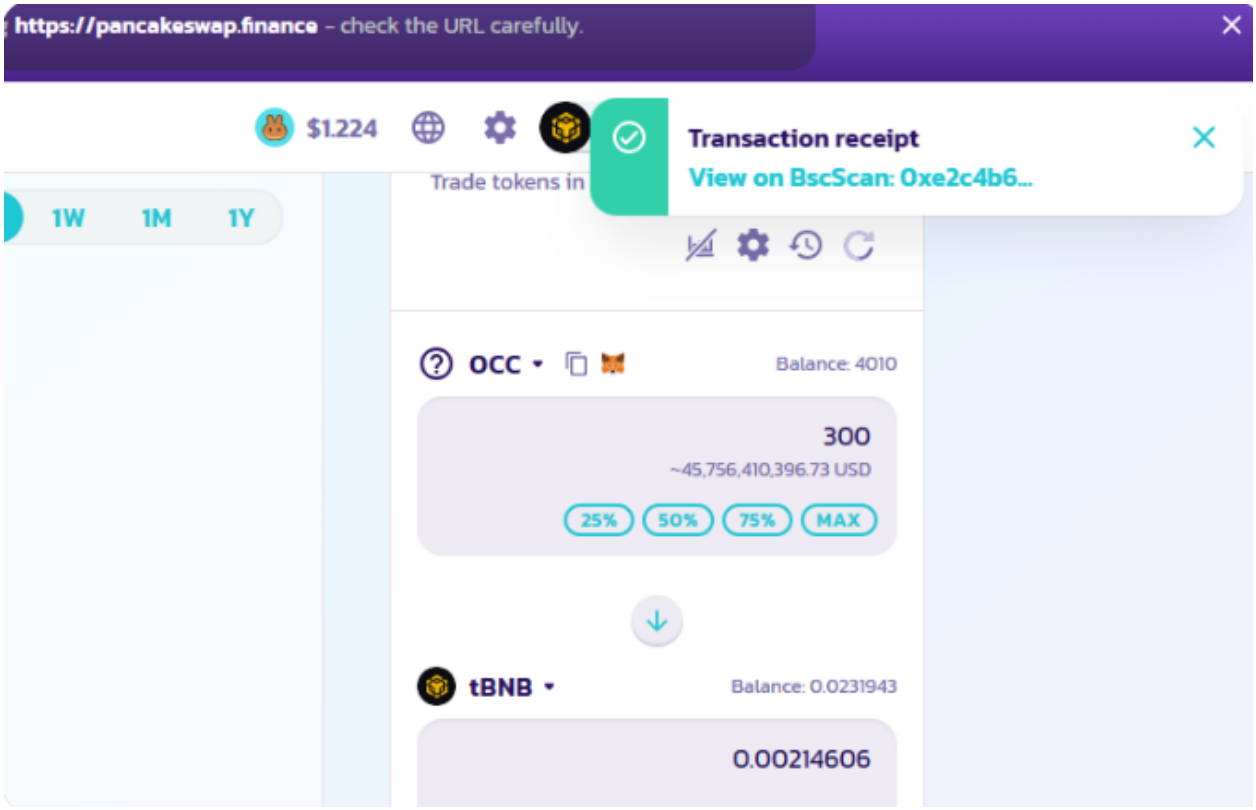
6. A Metamask prompt will ask for the spending cap. Click on **“Max”** and then click on the **“Next”** button.



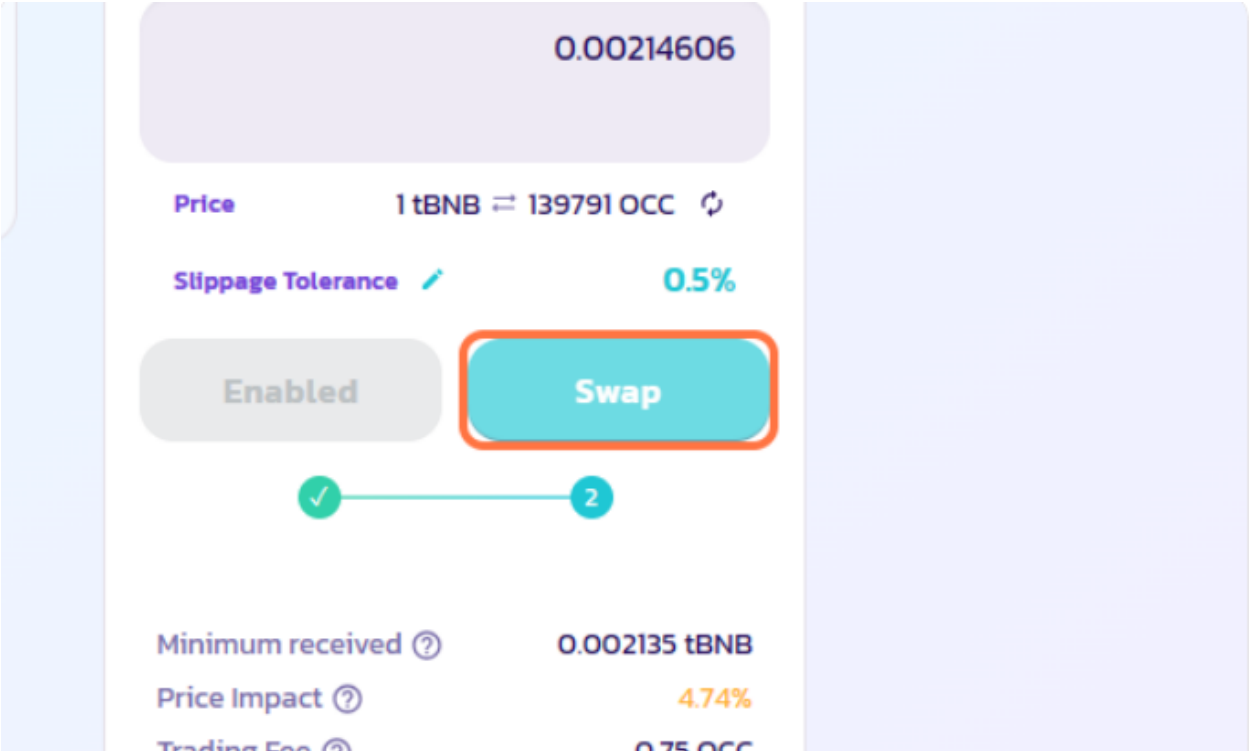
7. Metamask will then ask for approval. Click on the **“Approve”** button.



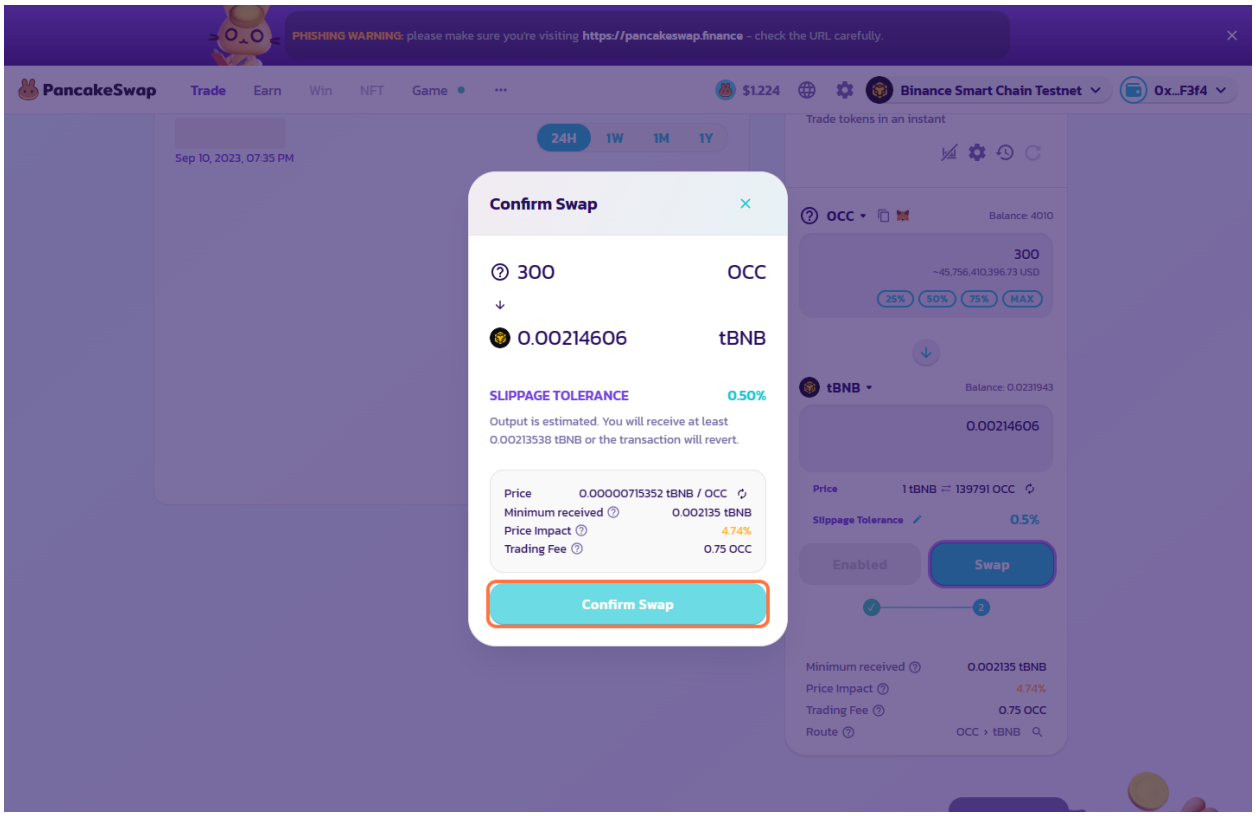
8. A Transaction Receipt should appear.



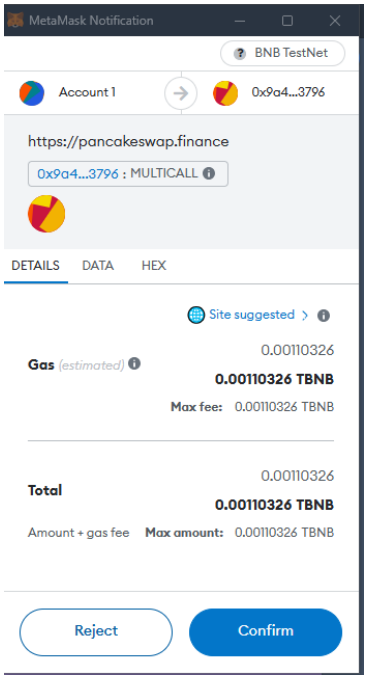
9. Next step, click on the **“Swap”** button.



10. A summary of details will appear. Click the **“Confirm Swap”** button.



11. A Metamask prompt will ask for confirmation. Click the **“Confirm”** button.



12. PancakeSwap will show that the transaction has been submitted. Congrats! You were able to add liquidity to your token and also perform a swap on other tokens.