

Cairo Crash Course

Advanced Data Types - Exercise 1

Building a simple dictionary

Fill the skeleton of the function `build_dictionary` using the following instructions in `advanced_types_exercise_1.cairo`:

- Create a `Felt252Dict` named `tokens`. It will represent a dictionary of tokens and their corresponding value. The dictionary should contain these entries:

```
Dodgecoin => 1150
Bitcoin => 1210
ETH => 1011
Solana => 1710
STRK => 1337
```

Verifying the dictionary entries

- After creating the entries, in the same function implement the necessary assertions to check that each key corresponds to their respective value.
- Implement an extra assertion to check what happens if you read a nonexistent key. What is the value returned? 🤔

Implementing Tests

- In the test file `test_advanced_types_1.cairo` just invoke your function `build_dictionary` and if your assertions were correctly implemented all the tests should pass 😊

Useful links

[Cairo Book: Dictionaries](#)