

My ProgramInternalForm class represents a data structure for storing the internal representation of a program.

It utilizes an internal list of key-value pairs, where the keys are strings and the values are lists of hashed integers.

The class provides methods for inserting new key-value pairs along with their associated types and for generating a string representation of the stored data.

ProgramInternalForm():

This constructor initializes the tokenPairPosition list and the types list to store the key-value pairs and their associated types, respectively.

insert(HashTable.Cell<K, V> kvCell, int type):

This method takes a key-value pair kvCell and an integer type as input, extracts the key and hashed value, and adds the key-value pair along with the type to the internal data structure.

toString():

This method generates a string representation of the stored data, displaying each key-value pair along with its associated type. It iterates over the tokenPairPosition list and appends the key, hashed value, and type to a StringBuilder object, eventually returning the concatenated string.