

# Iteration 1

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## 1 Design Decisions

### 1.1 Parent API

- Structure: a hashmap

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key(int) Parent(int) Parent\*(Hashmap<int>) Parent\* List<Stmt\*>[StmtType]

- Hashmap

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key(int) Child(int) Child\*(Hashmap<int>) Parent\* List<Stmt\*>[StmtType]

StmtType parent List<Stmt\*>[StmtType] parent\* child child\*  
while

- Using int for parent/child since to return statement, can query statement table
- Hashmap<int> caters for `checkIfParentHolds`, while List<Stmt\*> caters for `getAllChildStatements`