

Readme

Compilers: Semantic Checker

IDE NetBeans 8.0.2

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1) General Information:

Semantic check is disabled .

2) Visitors:

- i) Visitor1
- ii) Visitor2

Visitor 1 and 2 creates the symbol table .

iii) Code_Generating_Visitor

This visitor emit the Spiglet code

3) Sv_Table:

Sv_Table is a class that consist of the symbol table and a v_table that is created for the needs of the code generation as for our convenience.

4) How to execute :

How to execute - there is a makefile located in the default package. Open a terminal and write "make all" for the program compilation. Then run as it is described in the prompt .There are two a directory JavaFiles and SpigletFiles , place the java files to be translated to spiglet in the JavaFiles folder , translated files will be created in the SpigletFile directory.

If you want to to parse or execute the generated code from the SpigletFiles directory execute the following commands

```
java -jar ../spp.jar < BinaryTree.sp BubbleSort.sp Factorial.sp LinearSearch.sp QuickSort.sp  
TreeVisitor.sp
```

```
java -jar ../spp.jar < Add.sp ArrayTest.sp CallFromSuper.sp Classes.sp DerivedCall.sp Example1.sp
```

FieldAndClassConflict.sp Main.sp

java -jar ../spp.jar < ManyClasses.sp OutOfBounds1.sp Overload2.sp ShadowBaseField.sp
ShadowField.sp test06.sp test07.sp test15.sp test17.sp

java -jar ../spp.jar < test20.sp test62.sp test73.sp test82.sp test93.sp test99.sp

java -jar ../pgiv2.jar < BinaryTree.sp BubbleSort.sp Factorial.sp LinearSearch.sp QuickSort.sp
TreeVisitor.sp

java -jar ../pgiv2.jar < Add.sp ArrayTest.sp CallFromSuper.sp Classes.sp DerivedCall.sp
Example1.sp FieldAndClassConflict.sp Main.sp

java -jar ../pgiv2.jar < ManyClasses.sp OutOfBounds1.sp Overload2.sp ShadowBaseField.sp
ShadowField.sp test06.sp test07.sp test15.sp test17.sp

java -jar ../pgiv2.jar < test20.sp test62.sp test73.sp test82.sp test93.sp test99.sp

5) Developer :

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