

JTypeDecl.java

```
1  // Copyright 2013 Bill Campbell, Swami Iyer and Bahar Akbal-Delibas
2
3  package jminusminus;
4
5  /**
6   * An interface supported by class (or later, interface) declarations.
7   */
8
9  interface JTypeDecl {
10
11     /**
12      * Even before preAnalyze(), declare this type in the parent context so that
13      * it is available in the preAnalyze() of other types.
14      *
15      * @param context
16      *         the compilation unit context in which we're declaring types.
17      */
18
19     public void declareThisType(Context context);
20
21     /**
22      * Pre-analyze the members of this declaration in the parent context.
23      * Pre-analysis extends to the member headers (including method headers) but
24      * not into the bodies (if any).
25      *
26      * @param context
27      *         the parent (compilation unit) context.
28      */
29
30     public void preAnalyze(Context context);
31
32     /**
33      * Return the name of this type declaration.
34      *
35      * @return the name of this type declaration.
36      */
37
38     public String name();
39
40     /**
41      * Return the super class' type.
42      *
43      * @return the super class' type.
44      */
45
46     public Type superType();
47
48     /**
49      * Return the type that this type declaration defines.
50      *
51      * @return the type defined by this type declaration.
52      */
53
54     public Type thisType();
55 }
56
57
```

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