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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  | | --- | | Return Type constituent m1 : int another constituent int | | Return Type constituent m10 : java.util.List another constituent java.util.List | | Return Type constituent m11 : java.util.List another constituent java.util.List | | Return Type constituent m12 : java.util.List another constituent java.util.List | | Return Type constituent m13 : java.util.List another constituent java.util.List | | Return Type constituent m14 : java.util.List another constituent java.util.List | | Return Type constituent m15 : java.util.List[] another constituent java.util.List[] | | Return Type constituent m16 : java.util.Map another constituent java.util.Map | | Return Type constituent m2 : java.lang.String another constituent java.lang.String | | Return Type constituent m3 : java.lang.Integer another constituent java.lang.Integer | | Return Type constituent m4 : int[] another constituent int[] | | Return Type constituent m5 : padl.example.fieldsAndReturnTypes.NamedReader[]  another constituent padl.example.fieldsAndReturnTypes.NamedReader[] | | Return Type constituent m6 : padl.example.fieldsAndReturnTypes.NamedReader[][]  another constituent padl.example.fieldsAndReturnTypes.NamedReader[][] | | Return Type constituent m7 : java.lang.Object[][]  another constituent java.lang.Object[][] | | Return Type constituent m8 : java.util.List[] another constituent java.util.List[] | | Return Type constituent m9 : java.util.List another constituent java.util.List | | Return Type constituent methodWithParams : java.util.List  another constituent java.util.List | | |  | | --- | | int m1(); | | List<NamedReader[]> m10(); | | List<NamedReader[][]> m11(); | | List m12(); | | List<Integer> m13(); | | List<List<Integer>> m14(); | | List[] m15(); | | Map<String, String> m16(); | | String m2(); | | Integer m3(); | | int[] m4(); | | NamedReader[] m5(); | | NamedReader[][] m6(); | | Object[][] m7(); | | List<Object>[] m8(); | | List<NamedReader> m9(); | | List<NamedReader[]> methodWithParams( | |

Résultats .java et .class pour les types de retour pour les methods suivantes avec le code ci-dessous :

**public** **static** String getTypeName(ITypeBinding aTypeBinding) {

System.*out*.println("TypeBinding field or return type:"+aTypeBinding.getQualifiedName());

String typeName;

ITypeBinding typeBinding=aTypeBinding;

**if** (aTypeBinding.isArray()) {

typeBinding=aTypeBinding.getElementType();

}

**if** (typeBinding.isParameterizedType()) {

typeBinding=typeBinding.getErasure();

}

**if** (aTypeBinding.isTypeVariable()) {// should be deleted, (only for

// debug purpose)

Output.*getInstance*().normalOutput().println(

"PadlParserUtil in getOrCreateGhostEntity aTypeBinding.getPackage() "

+ aTypeBinding.getQualifiedName());

}

**if** (aTypeBinding.isPrimitive()) {

typeName = aTypeBinding.getName();

} **else** **if** (typeBinding.isFromSource()

&& !typeBinding.isTypeVariable()) {

// **TODO**: This test should not exist! Fix for Eclipse JDT v3.4(fixed,

// case of templates)

// if (aTypeBinding.getPackage() != null) {

typeName = PadlParserUtil.*renameWith$*(typeBinding

.getQualifiedName(), typeBinding.getPackage().getName());

} **else** {

typeName = typeBinding.getQualifiedName();

// here, it can be wrong if the resolving is not good, and it will

// be with the current package name!!!

}

System.*out*.println("typeName field or return type:"+typeName);

System.*out*.println("");

**for**(**int** i=0;i<aTypeBinding.getDimensions();i++){

typeName=typeName.concat("[]");

}

**return** typeName;

}

Avant les résultats étaient :

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  | | --- | | Return Type constituent m1 : int another constituent int | | Return Type constituent m10 : java.util.List another constituent java.util.List | | Return Type constituent m11 : java.util.List another constituent java.util.List | | Return Type constituent m12 : java.util.List another constituent java.util.List | | Return Type constituent m13 : java.util.List another constituent java.util.List | | Return Type constituent m14 : java.util.List another constituent java.util.List | | Return Type constituent m15 : java.util.List another constituent java.util.List[] | | Return Type constituent m16 : java.util.Map another constituent java.util.Map | | Return Type constituent m2 : java.lang.String another constituent java.lang.String | | Return Type constituent m3 : java.lang.Integer another constituent java.lang.Integer | | Return Type constituent m4 : int another constituent int[] | | Return Type constituent m5 : padl.example.fieldsAndReturnTypes.NamedReader another constituent padl.example.fieldsAndReturnTypes.NamedReader[] | | Return Type constituent m6 : padl.example.fieldsAndReturnTypes.NamedReader another constituent padl.example.fieldsAndReturnTypes.NamedReader[][] | | Return Type constituent m7 : java.lang.Object another constituent java.lang.Object[][] | | Return Type constituent m8 : java.util.List<java.lang.Object> another constituent java.util.List[] | | Return Type constituent m9 : java.util.List another constituent java.util.List | | Return Type constituent methodWithParams : java.util.List another constituent java.util.List | | |  | | --- | | int m1(); | | List<NamedReader[]> m10(); | | List<NamedReader[][]> m11(); | | List m12(); | | List<Integer> m13(); | | List<List<Integer>> m14(); | | List[] m15(); | | Map<String, String> m16(); | | String m2(); | | Integer m3(); | | int[] m4(); | | NamedReader[] m5(); | | NamedReader[][] m6(); | | Object[][] m7(); | | List<Object>[] m8(); | | List<NamedReader> m9(); | | List<NamedReader[]> methodWithParams( | |