**For generating AST and start visiting nodes.**

public static void parse(String str, String PrintFname) throws IOException{

ASTParser parser = ASTParser.newParser(AST.JLS3);

parser.setSource(str.toCharArray());

parser.setKind(ASTParser.K\_COMPILATION\_UNIT);

CompilationUnit cu = (CompilationUnit) parser.createAST(null);

cu.accept(new MyVisitor(cu,str,PrintFname));

}

**For detection of ERR07-J**

public boolean visit(ThrowStatement node) {

node.accept(new ASTVisitor() {

public boolean visit(ClassInstanceCreation cs) {

cs.accept(new ASTVisitor() {

public boolean visit(SimpleName sn) {

if(sn.toString().equals("RuntimeException")||sn.toString().equals("Exception")||sn.toString().equals("Throwable"))

{ PrintError("ERR07-J",Integer.toString(cu.getLineNumber(sn.getStartPosition())));

}

Main.err07j++;

}

return true;

}});

return true;

}});

return true;

}