Atitti.java exp ast java表达式语法ast构造器

/atiplat\_cms/src/com/attilax/lang/AstParser.java

原理

分割tokens\_slice\_li

分析splitor，， 主要是dot 和end

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package com.attilax.lang;

import java.io.UnsupportedEncodingException;

import java.net.URLEncoder;

import java.util.ArrayList;

import java.util.Collections;

import java.util.List;

import com.attilax.fsm.JavaExpFsm;

import com.attilax.json.AtiJson;

import com.attilax.net.UrlEncode\_del;

import com.google.common.collect.Lists;

public class AstParser {

public Object obj;

public Object rzt;

public static void main(String[] args) throws UnsupportedEncodingException {

System.out

.println(URLEncoder

.encode("new(com.attilax.util.connReduceDync).set\_resfile(userPhone4jobusImp/uc\_js.txt).joinNoutV2()",

"utf8"));

String s="new(com.attilax.orm.AtiOrmV2).queryAsRzt(\"select sum(rmb) sumx from recharge where accountId in ( select id as uid from account where promoter=888 ) \")";

s=" new(com.attilax.agent.AgentRechargeService).getSubMemTotalsRecycleByAgentId(\"promoter:$pid$,fld2:v2\")";

s="new(com.attilax.user.AgentService).login(admin,admin)";

System.out.println( new AstParser().getExprsLiAst(s));

// "select sum(rmb) sumx from recharge where accountId in ( select id as uid from account where promoter=888 )"

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

// System.setProperty("prj","jobus");

// String

// code="new(com.attilax.util.connReduceDync).set\_resfile(userPhone4jobusImp/uc\_js.txt).joinNoutV2() ".trim();

// Ast astParser = new Ast();

// List ast=astParser.getExprsLiAst(code);

// System.out.println(AtiJson.toJson( astParser.parse(ast)));

// s="login(admin,admin)";

}

// public Object parse;

public Object parse(List ast) {

for (Object object : ast) {

// String exp=(String) object;

parseSingle(object);

}

return this.rzt;

}

private void parseSingle(Object exp) {

Exprs e = (Exprs) (exp);

e.obj = this.obj;

this.rzt = e.calc();

this.obj = e.obj;

}

@SuppressWarnings("all")

public List getExprsLiAst(String code) {

List li = new ArrayList();

List tokens = new JavaExpFsm(code).getTokens();

System.out.println(AtiJson.toJson(tokens));

List<String> tokens\_slice\_li = Lists.newLinkedList();

for (int i = 0; i < tokens.size(); i++) {

// last

// dot is expres splitor..if cur pos of tokens is dot

if (tokens.get(i).toString().trim().equals(".")

) {

Exprs e = getExprsFrmTokenslice(tokens\_slice\_li);

li.add(e);

tokens\_slice\_li = Lists.newLinkedList();

continue;

}

if( i == tokens.size()-1)

{

tokens\_slice\_li.add((String) tokens.get(i));

Exprs e = getExprsFrmTokenslice(tokens\_slice\_li);

li.add(e);

break;

}

tokens\_slice\_li.add((String) tokens.get(i));

}

// Collections.addAll(li, a);

return li;

}

private Exprs getExprsFrmTokenslice(List<String> tokens\_slice\_li) {

Exprs e = new Exprs();

// if (tokens\_slice\_li.size() == 5) {

//

// }

// if (tokens\_slice\_li.size() == 4) {

// e.method = (String) tokens\_slice\_li.get(0);

// String params = tokens\_slice\_li.get(2);

// // e.params = params; //e.parseParams(params.toString());

// e.params = Lists.newLinkedList();

// e.params.add(params);

// //q716 must as a params..

// //'new(com.attilax.agent.AgentRechargeService).getSubMemTotalsRecycleByAgentId("promoter:$pid$,fld2:v2")';

//

// }

// last log() mode ,empty param mode

if (tokens\_slice\_li.size() == 3) {

e.method = (String) tokens\_slice\_li.get(0);

e.params = Lists.newLinkedList();

}else

{

e.method = (String) tokens\_slice\_li.get(0);

e.params = parseParams(tokens\_slice\_li);

}

return e;

}

@Deprecated

public List parseParams(String pa\_str) {

String[] a=pa\_str.split(",");

List li= new ArrayList();

Collections.addAll(li, a);

return li;

}

/\*\*

attilax 2016年9月2日 下午12:12:01

\* @param tokens\_slice\_li

\* @return

\*/

public List parseParams(List<String> tokens\_slice\_li) {

List li= new ArrayList();

for(int i=2;i<tokens\_slice\_li.size()-1;i++)

{

li.add(tokens\_slice\_li.get(i));

}

return li;

}

}