```java
// Generated from C:\Users\u005Cuser\Documents\Compiler\Skeleton\src/decaf/
    DecafParser.g4 by ANTLR 4.6
package decaf;

import org.antlr.v4.runtime.ParserRuleContext;
import org.antlr.v4.runtime.tree.ErrorNode;
import org.antlr.v4.runtime.tree.TerminalNode;

/**
 * This class provides an empty implementation of {@link DecafParserListener},
 * which can be extended to create a listener which only needs to handle a
     subset
 * of the available methods.
 */
public class DecafParserBaseListener implements DecafParserListener {
        /**
         * {@inheritDoc}
         *
         * <p>The default implementation does nothing.</p>
         */
        @Override public void enterProgram(DecafParser.ProgramContext ctx) { }
        /**
         * {@inheritDoc}
         *
         * <p>The default implementation does nothing.</p>
         */
        @Override public void exitProgram(DecafParser.ProgramContext ctx) { }
        /**
         * {@inheritDoc}
         *
         * <p>The default implementation does nothing.</p>
         */
        @Override public void enterField_name(DecafParser.Field_nameContext ctx)
            { }
        /**
         * {@inheritDoc}
         *
         * <p>The default implementation does nothing.</p>
         */
        @Override public void exitField_name(DecafParser.Field_nameContext ctx)
            { }
        /**
         * {@inheritDoc}
         *
         * <p>The default implementation does nothing.</p>
         */
        @Override public void enterField_decl(DecafParser.Field_declContext ctx)
            { }
        /**
         * {@inheritDoc}
         *
         * <p>The default implementation does nothing.</p>
         */
        @Override public void exitField_decl(DecafParser.Field_declContext ctx)
            { }
        /**
         * {@inheritDoc}
```

```java
 *
 * <p>The default implementation does nothing.</p>
 */
@Override public void enterMethod_decl(DecafParser.Method_declContext
    ctx) { }
/**
 * {@inheritDoc}
 *
 * <p>The default implementation does nothing.</p>
 */
@Override public void exitMethod_decl(DecafParser.Method_declContext ctx
    ) { }
/**
 * {@inheritDoc}
 *
 * <p>The default implementation does nothing.</p>
 */
@Override public void enterMeth_name(DecafParser.Meth_nameContext ctx) {
    }
/**
 * {@inheritDoc}
 *
 * <p>The default implementation does nothing.</p>
 */
@Override public void exitMeth_name(DecafParser.Meth_nameContext ctx) {
    }
/**
 * {@inheritDoc}
 *
 * <p>The default implementation does nothing.</p>
 */
@Override public void enterMeth_type(DecafParser.Meth_typeContext ctx) {
    }
/**
 * {@inheritDoc}
 *
 * <p>The default implementation does nothing.</p>
 */
@Override public void exitMeth_type(DecafParser.Meth_typeContext ctx) {
    }
/**
 * {@inheritDoc}
 *
 * <p>The default implementation does nothing.</p>
 */
@Override public void enterArg_type(DecafParser.Arg_typeContext ctx) { }
/**
 * {@inheritDoc}
 *
 * <p>The default implementation does nothing.</p>
 */
@Override public void exitArg_type(DecafParser.Arg_typeContext ctx) { }
/**
 * {@inheritDoc}
 *
 * <p>The default implementation does nothing.</p>
 */
```

```java
@Override public void enterBlock(DecafParser.BlockContext ctx) { }
/**
 * {@inheritDoc}
 *
 * <p>The default implementation does nothing.</p>
 */
@Override public void exitBlock(DecafParser.BlockContext ctx) { }
/**
 * {@inheritDoc}
 *
 * <p>The default implementation does nothing.</p>
 */
@Override public void enterVar_decl(DecafParser.Var_declContext ctx) { }
/**
 * {@inheritDoc}
 *
 * <p>The default implementation does nothing.</p>
 */
@Override public void exitVar_decl(DecafParser.Var_declContext ctx) { }
/**
 * {@inheritDoc}
 *
 * <p>The default implementation does nothing.</p>
 */
@Override public void enterVar_name(DecafParser.Var_nameContext ctx) { }
/**
 * {@inheritDoc}
 *
 * <p>The default implementation does nothing.</p>
 */
@Override public void exitVar_name(DecafParser.Var_nameContext ctx) { }
/**
 * {@inheritDoc}
 *
 * <p>The default implementation does nothing.</p>
 */
@Override public void enterType(DecafParser.TypeContext ctx) { }
/**
 * {@inheritDoc}
 *
 * <p>The default implementation does nothing.</p>
 */
@Override public void exitType(DecafParser.TypeContext ctx) { }
/**
 * {@inheritDoc}
 *
 * <p>The default implementation does nothing.</p>
 */
@Override public void enterAssign(DecafParser.AssignContext ctx) { }
/**
 * {@inheritDoc}
 *
 * <p>The default implementation does nothing.</p>
 */
@Override public void exitAssign(DecafParser.AssignContext ctx) { }
/**
 * {@inheritDoc}
```

```java
 *
 * <p>The default implementation does nothing.</p>
 */
@Override public void enterMC(DecafParser.MCContext ctx) { }
/**
 * {@inheritDoc}
 *
 * <p>The default implementation does nothing.</p>
 */
@Override public void exitMC(DecafParser.MCContext ctx) { }
/**
 * {@inheritDoc}
 *
 * <p>The default implementation does nothing.</p>
 */
@Override public void enterIf(DecafParser.IfContext ctx) { }
/**
 * {@inheritDoc}
 *
 * <p>The default implementation does nothing.</p>
 */
@Override public void exitIf(DecafParser.IfContext ctx) { }
/**
 * {@inheritDoc}
 *
 * <p>The default implementation does nothing.</p>
 */
@Override public void enterFor(DecafParser.ForContext ctx) { }
/**
 * {@inheritDoc}
 *
 * <p>The default implementation does nothing.</p>
 */
@Override public void exitFor(DecafParser.ForContext ctx) { }
/**
 * {@inheritDoc}
 *
 * <p>The default implementation does nothing.</p>
 */
@Override public void enterReturn(DecafParser.ReturnContext ctx) { }
/**
 * {@inheritDoc}
 *
 * <p>The default implementation does nothing.</p>
 */
@Override public void exitReturn(DecafParser.ReturnContext ctx) { }
/**
 * {@inheritDoc}
 *
 * <p>The default implementation does nothing.</p>
 */
@Override public void enterBreak(DecafParser.BreakContext ctx) { }
/**
 * {@inheritDoc}
 *
 * <p>The default implementation does nothing.</p>
 */
```

```java
@Override public void exitBreak(DecafParser.BreakContext ctx) { }
/**
 * {@inheritDoc}
 *
 * <p>The default implementation does nothing.</p>
 */
@Override public void enterContinue(DecafParser.ContinueContext ctx) { }
/**
 * {@inheritDoc}
 *
 * <p>The default implementation does nothing.</p>
 */
@Override public void exitContinue(DecafParser.ContinueContext ctx) { }
/**
 * {@inheritDoc}
 *
 * <p>The default implementation does nothing.</p>
 */
@Override public void enterBl(DecafParser.BlContext ctx) { }
/**
 * {@inheritDoc}
 *
 * <p>The default implementation does nothing.</p>
 */
@Override public void exitBl(DecafParser.BlContext ctx) { }
/**
 * {@inheritDoc}
 *
 * <p>The default implementation does nothing.</p>
 */
@Override public void enterAssign_op(DecafParser.Assign_opContext ctx) {
    }
/**
 * {@inheritDoc}
 *
 * <p>The default implementation does nothing.</p>
 */
@Override public void exitAssign_op(DecafParser.Assign_opContext ctx) {
    }
/**
 * {@inheritDoc}
 *
 * <p>The default implementation does nothing.</p>
 */
@Override public void enterMath_assign(DecafParser.Math_assignContext
    ctx) { }
/**
 * {@inheritDoc}
 *
 * <p>The default implementation does nothing.</p>
 */
@Override public void exitMath_assign(DecafParser.Math_assignContext ctx
    ) { }
/**
 * {@inheritDoc}
 *
 * <p>The default implementation does nothing.</p>
```

```java
 */
@Override public void enterMethod_call(DecafParser.Method_callContext
    ctx) { }
/**
 * {@inheritDoc}
 *
 * <p>The default implementation does nothing.</p>
 */
@Override public void exitMethod_call(DecafParser.Method_callContext ctx
    ) { }
/**
 * {@inheritDoc}
 *
 * <p>The default implementation does nothing.</p>
 */
@Override public void enterMethod_name(DecafParser.Method_nameContext
    ctx) { }
/**
 * {@inheritDoc}
 *
 * <p>The default implementation does nothing.</p>
 */
@Override public void exitMethod_name(DecafParser.Method_nameContext ctx
    ) { }
/**
 * {@inheritDoc}
 *
 * <p>The default implementation does nothing.</p>
 */
@Override public void enterLocation(DecafParser.LocationContext ctx) { }
/**
 * {@inheritDoc}
 *
 * <p>The default implementation does nothing.</p>
 */
@Override public void exitLocation(DecafParser.LocationContext ctx) { }
/**
 * {@inheritDoc}
 *
 * <p>The default implementation does nothing.</p>
 */
@Override public void enterExpr(DecafParser.ExprContext ctx) { }
/**
 * {@inheritDoc}
 *
 * <p>The default implementation does nothing.</p>
 */
@Override public void exitExpr(DecafParser.ExprContext ctx) { }
/**
 * {@inheritDoc}
 *
 * <p>The default implementation does nothing.</p>
 */
@Override public void enterCallout_arg(DecafParser.Callout_argContext
    ctx) { }
/**
 * {@inheritDoc}
```

```java
 *
 * <p>The default implementation does nothing.</p>
 */
@Override public void exitCallout_arg(DecafParser.Callout_argContext ctx
    ) { }
/**
 * {@inheritDoc}
 *
 * <p>The default implementation does nothing.</p>
 */
@Override public void enterBin_op(DecafParser.Bin_opContext ctx) { }
/**
 * {@inheritDoc}
 *
 * <p>The default implementation does nothing.</p>
 */
@Override public void exitBin_op(DecafParser.Bin_opContext ctx) { }
/**
 * {@inheritDoc}
 *
 * <p>The default implementation does nothing.</p>
 */
@Override public void enterArith_op(DecafParser.Arith_opContext ctx) { }
/**
 * {@inheritDoc}
 *
 * <p>The default implementation does nothing.</p>
 */
@Override public void exitArith_op(DecafParser.Arith_opContext ctx) { }
/**
 * {@inheritDoc}
 *
 * <p>The default implementation does nothing.</p>
 */
@Override public void enterRel_op(DecafParser.Rel_opContext ctx) { }
/**
 * {@inheritDoc}
 *
 * <p>The default implementation does nothing.</p>
 */
@Override public void exitRel_op(DecafParser.Rel_opContext ctx) { }
/**
 * {@inheritDoc}
 *
 * <p>The default implementation does nothing.</p>
 */
@Override public void enterEq_op(DecafParser.Eq_opContext ctx) { }
/**
 * {@inheritDoc}
 *
 * <p>The default implementation does nothing.</p>
 */
@Override public void exitEq_op(DecafParser.Eq_opContext ctx) { }
/**
 * {@inheritDoc}
 *
 * <p>The default implementation does nothing.</p>
```

```java
 */
@Override public void enterCond_op(DecafParser.Cond_opContext ctx) { }
/**
 * {@inheritDoc}
 *
 * <p>The default implementation does nothing.</p>
 */
@Override public void exitCond_op(DecafParser.Cond_opContext ctx) { }
/**
 * {@inheritDoc}
 *
 * <p>The default implementation does nothing.</p>
 */
@Override public void enterLiteral(DecafParser.LiteralContext ctx) { }
/**
 * {@inheritDoc}
 *
 * <p>The default implementation does nothing.</p>
 */
@Override public void exitLiteral(DecafParser.LiteralContext ctx) { }
/**
 * {@inheritDoc}
 *
 * <p>The default implementation does nothing.</p>
 */
@Override public void enterBool_literal(DecafParser.Bool_literalContext
    ctx) { }
/**
 * {@inheritDoc}
 *
 * <p>The default implementation does nothing.</p>
 */
@Override public void exitBool_literal(DecafParser.Bool_literalContext
    ctx) { }

/**
 * {@inheritDoc}
 *
 * <p>The default implementation does nothing.</p>
 */
@Override public void enterEveryRule(ParserRuleContext ctx) { }
/**
 * {@inheritDoc}
 *
 * <p>The default implementation does nothing.</p>
 */
@Override public void exitEveryRule(ParserRuleContext ctx) { }
/**
 * {@inheritDoc}
 *
 * <p>The default implementation does nothing.</p>
 */
@Override public void visitTerminal(TerminalNode node) { }
/**
 * {@inheritDoc}
 *
 * <p>The default implementation does nothing.</p>
```

```
    */
    @Override public void visitErrorNode(ErrorNode node) { }
}
```