```
Program 
ightarrow \mathbf{begin}\ Statements\ \mathbf{end}
                     Statements 
ightarrow rac{\epsilon}{Statement\ Statements}
                                        If Then Else Statement
                                         DoWhileStatement
                      Statement \rightarrow PrintStatement
                                        DeclarationStatement
                                        Assignment Statement
                IfThenElseStatement 
ightarrow IfThen\ MaybeElse
               IfThen \rightarrow \mathbf{if} \ Expression \ \mathbf{then} \ \{ \ Statements \ \}
                       MaybeElse 
ightarrow rac{\epsilon}{	ext{else { }} Statements { }}
   DoWhileStatement \rightarrow \mathbf{do} \{ Statements \}  while ( Expression ) ;
                  PrintStatement \rightarrow \mathbf{print} ( Expression );
       DeclarationStatement 
ightarrow TypeSpecifier\ InitDeclarator;
         AssignmentStatement 
ightarrow Identifier = Expression;
               InitDeclarator 
ightarrow egin{aligned} oldsymbol{Identifier} \ oldsymbol{Identifier} \ & Expression \end{aligned}
                       Expression 
ightarrow EqualityExpression
EqualityExpression \rightarrow \begin{array}{l} RelationalExpression \\ EqualityExpression == RelationalExpression \end{array}
                                  Additive Expression
Relational Expression 
ightarrow Relational Expression > Additive Expression
                                  Relational Expression >= Additive Expression
AdditiveExpression \rightarrow \begin{matrix} MultiplicativeExpression \\ AdditiveExpression + MultiplicativeExpression \end{matrix}
                                       Primary Expression
Multiplicative Expression 
ightarrow rac{1}{Multiplicative Expression} * Primary Expression
```

Identifier

PrimaryExpression
ightarrow Number

(Expression)