```
Program 
ightarrow \mathbf{begin}\ Statements\ \mathbf{end}
                          Statements 
ightarrow Statement Statements
                                            If Then Else Statement
                                            DoWhileStatement\\
                          Statement \rightarrow PrintStatement
                                            Declaration Statement \\
                                            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 \} \mathbf{while} ( Expression ) ;
                       PrintStatement 
ightarrow \mathbf{print} ( Expression );
              DeclarationStatement 
ightarrow TypeSpecifier\ InitDeclarator;
                                   TypeSpecifier 
ightarrow egin{matrix} \mathbf{int} \\ \mathbf{bool} \end{bmatrix}
               AssignmentStatement 
ightarrow \emph{Identifier} = Expression;
                                            Identifier
                    InitDeclarator 
ightarrow egin{aligned} oldsymbol{Identifier} &= Expression \end{aligned}
                            Expression 
ightarrow EqualityExpression
                                   Relational Expression
    \textit{EqualityExpression} \rightarrow \textit{EqualityExpression} == \textit{RelationalExpression}
                                    Additive Expression \\
   Relational Expression \rightarrow Relational Expression > Additive Expression
                                    Relational Expression >= Additive Expression
                                 Multiplicative Expression \\
   Additive Expression 
ightarrow Additive Expression + Multiplicative Expression
                                      Primary Expression
Multiplicative Expression 	o Multiplicative Expression 	ext{* } Primary Expression
                                                        Identifier\\
                         PrimaryExpression 
ightarrow oldsymbol{Number}
                                                        (Expression)
```