```
Program \rightarrow \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 
ightarrow {f if} ( Expression ) then { Statements }
                          MaybeElse 
ightarrow rac{\epsilon}{	ext{else { }} \{ 	ext{ } 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
                                Relational Expression
    EqualityExpression 
ightarrow EqualityExpression == RelationalExpression
                                  Additive Expression
   Relational Expression 
ightarrow Relational Expression > Additive Expression
                                  Relational Expression >= Additive Expression
                               Multiplicative Expression \\
   AdditiveExpression 
ightarrow AdditiveExpression + MultiplicativeExpression
                                   Primary Expression
Multiplicative Expression 
ightarrow Multiplicative Expression * Primary Expression
                                                     Identifier
```

PrimaryExpression 
ightarrow Number

(Expression)