Following are the changes in the AST definitions

1) Funct(Return_Type, Parameters, Declaration*, Statement) becomes
   Funct(Function_Name, Return_Type, Parameters, Declaration*, Statement), where
   Function_Name is the ID representing the function.

2) The definition FunctType(ID_FunctName, ResultType, Parameters) is removed.

3) `OUT_Stmt(ID_output) becomes OUTStmt(ID_output)`

4) `Statement = AssignmentStmt | ConditionalStmt | RepetitiveStmt |`
   `ReturnStmt | IO_Stmt | FunctionCallStmt becomes`

```
Statement = AssignmentStmt | ConditionalStmt | RepetitiveStmt | ReturnStmt |
IO_Stmt | FunctionCallStmt | EmptyStmt
and add
EmptyStmt(NULL).
```

5) BoolExp = EqualityExp | NotEqualityExp | LT_Exp | LE_Exp | GT_Exp | GE_Exp
becomes
BoolExp = EqualityExp | NotEqualityExp | LT_Exp | LE_Exp | GT_Exp | GE_Exp | ID_Exp
where ID_Exp is ID_Exp(ID_Left)


```
Context Rules
1) Any name (var ID or Fun ID) should be uniquely defined in any given scope.
```

      1.2)   For any function, the names in it's scope includes all the
VAR's defined inside it, and the function definitions (not VAR's
inside them) that precede it in the program text. (Note: This is
to clarify the context rule 6 in the type.docx)

      1.3)   Return statement can return only the OUTID defined in the
function definition.

      1.4)   (to clarify further the context rule-3) A function whose
return type is TK_KEY_NONE, should not contain a return statement.