

Grammar for Project Phase 3 (Translation Scheme)

Stmt \rightarrow WhileStmt | Expr :: | IfStmt | CompStmt
Type \rightarrow Adadi | Ashriya | Harf | Matn | Mantiqi
WhileStmt \rightarrow while (Rvalue) Stmt
IfStmt \rightarrow Agar (Rvalue) Stmt ElsePart
ElsePart \rightarrow Wagarna Stmt | \wedge
CompStmt \rightarrow { StmtList }
StmtList \rightarrow StmtList Stmt | \wedge
Expr \rightarrow identifier := Mag | \wedge
Rvalue \rightarrow Rvalue RelOp Mag | Mag
RelOp \rightarrow == | < | > | <= | >= | <>
Mag \rightarrow Mag + Term | Mag - Term | Term
Term \rightarrow Term * Factor | Term / Factor | Factor
Factor \rightarrow (Mag) | identifier | number

Output:

