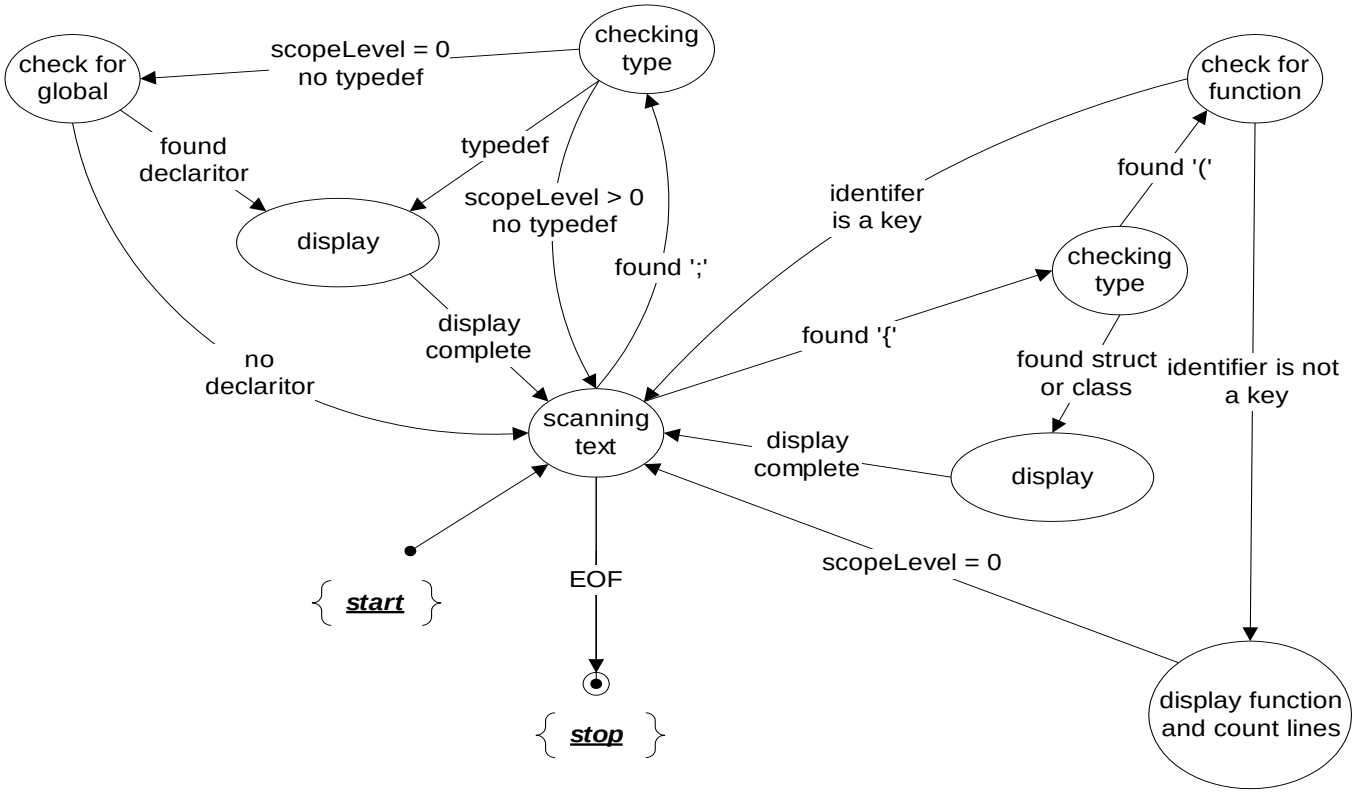State Diagram