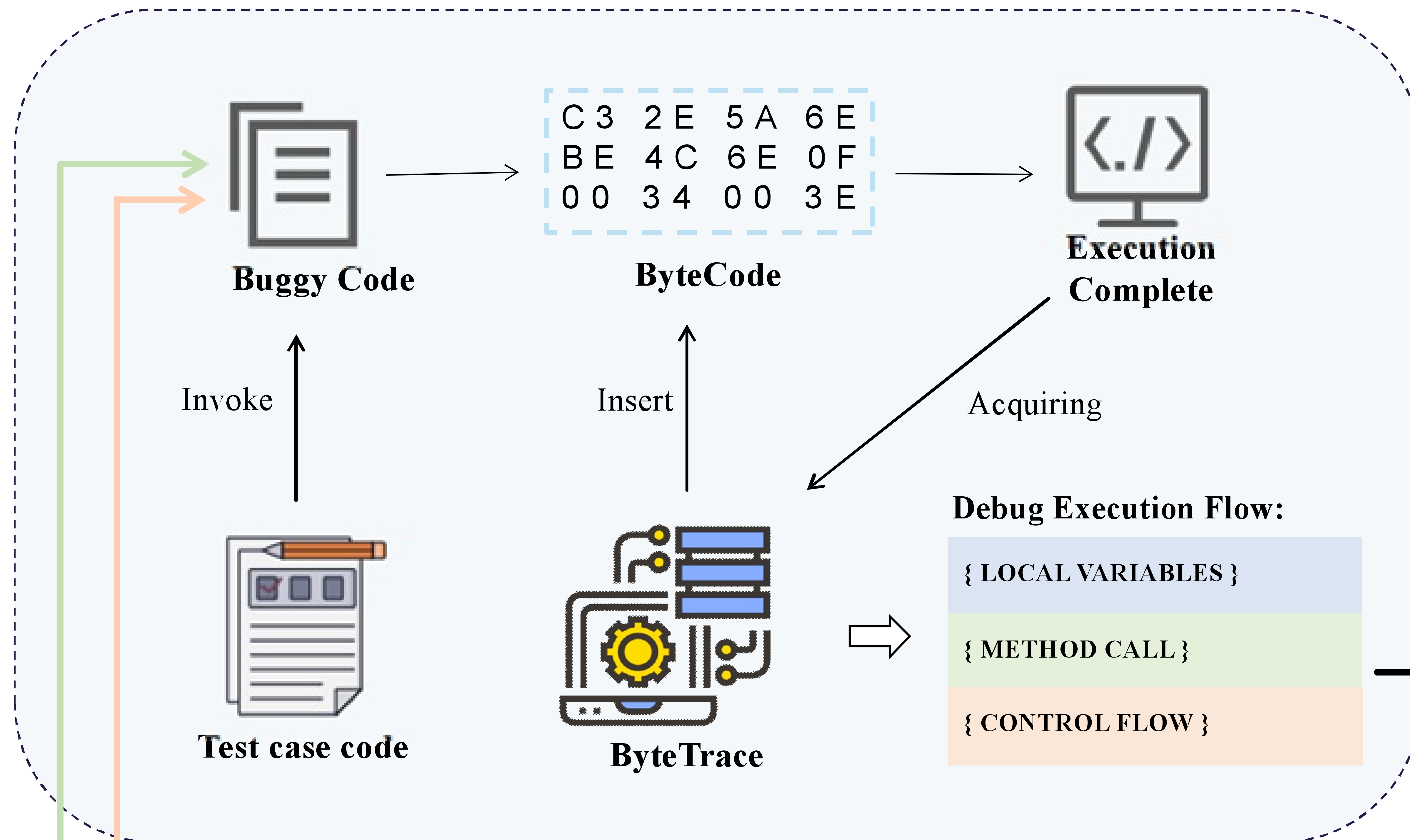
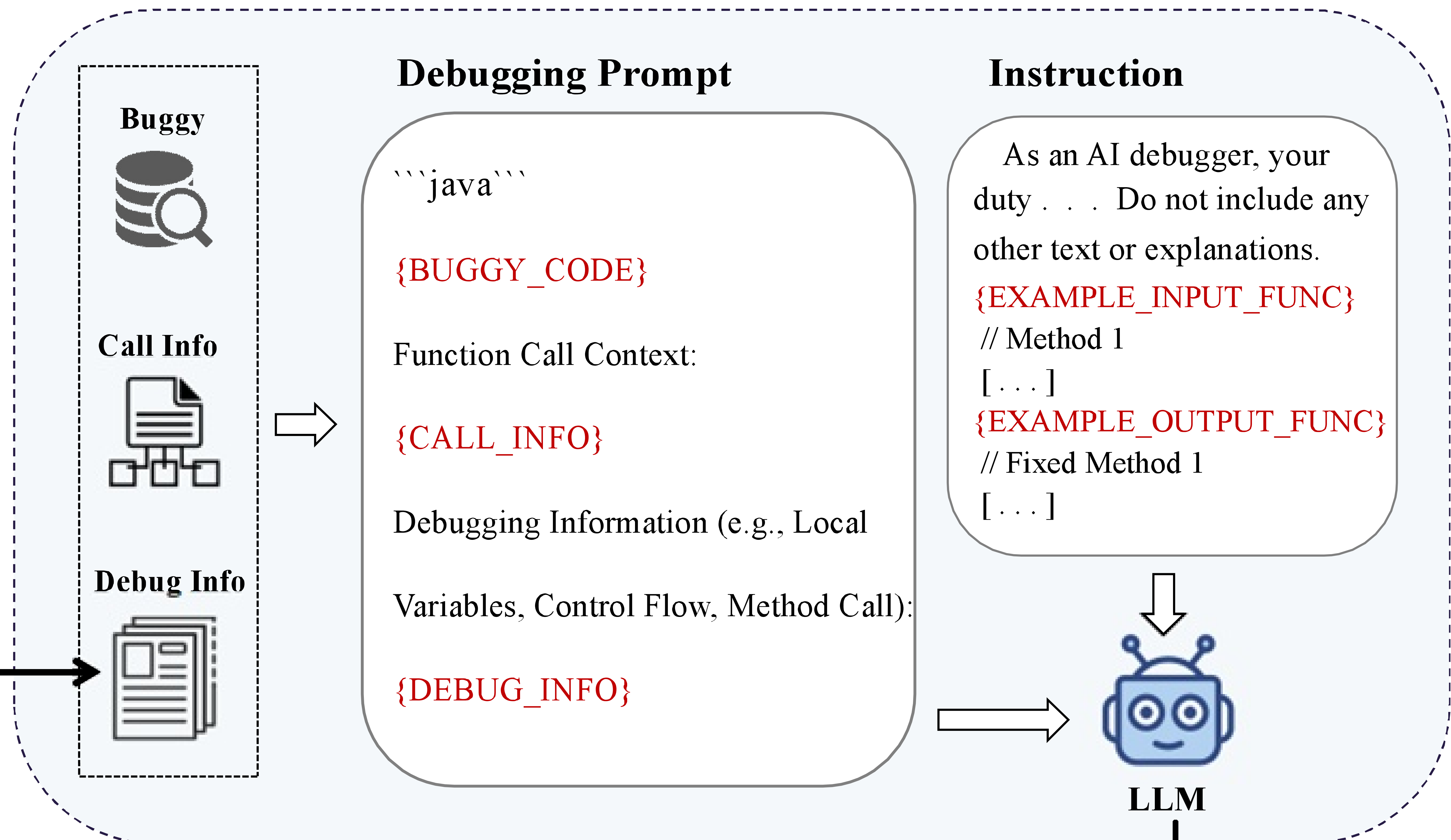


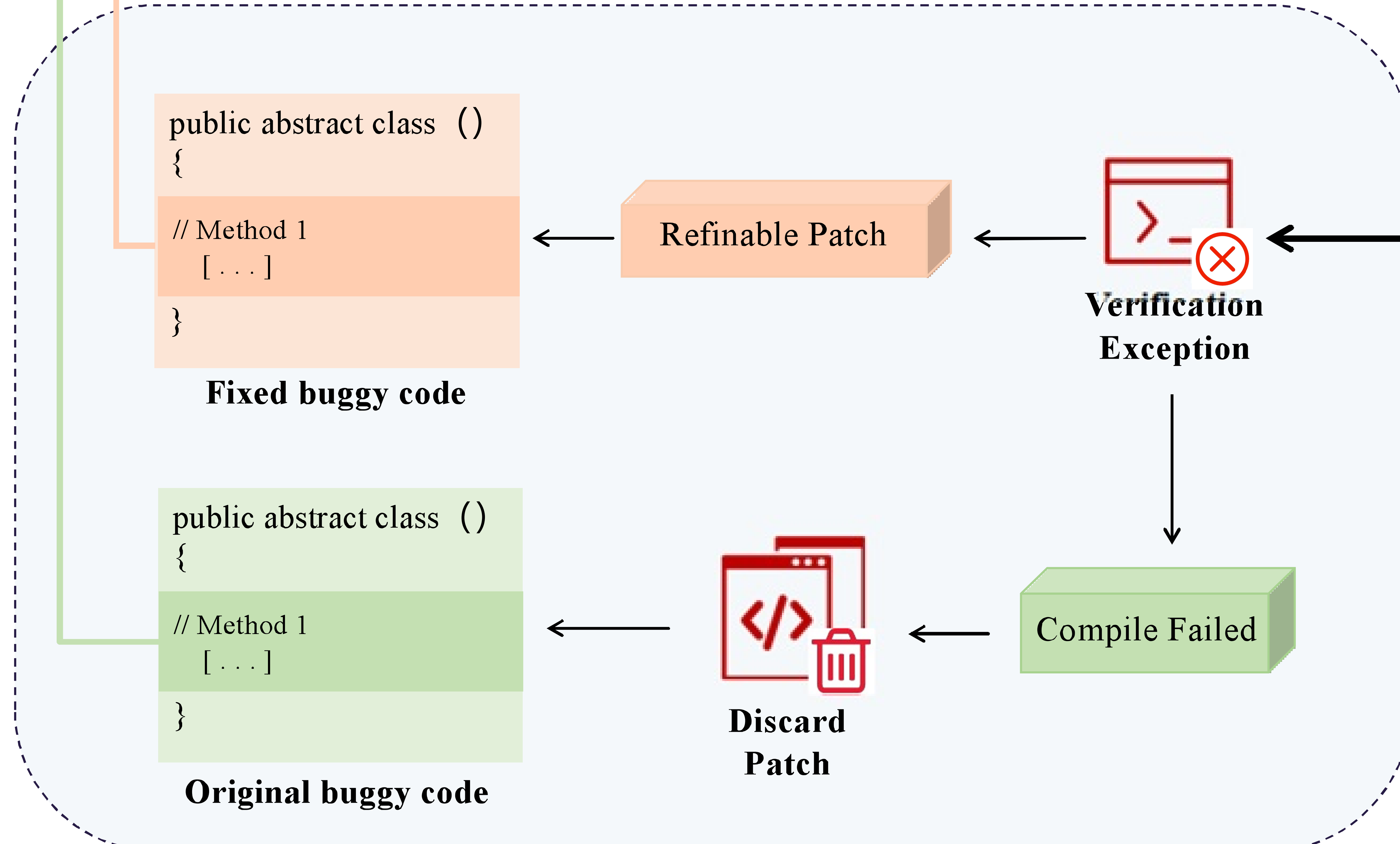
## STEP 1: Capturing Execution-Level Dynamic Information



## STEP 2: Structured Prompt Construction for Patch Generation



## STEP 4: Layered Progressive Repair Strategy



## STEP 3: Automated Patch Verification

