

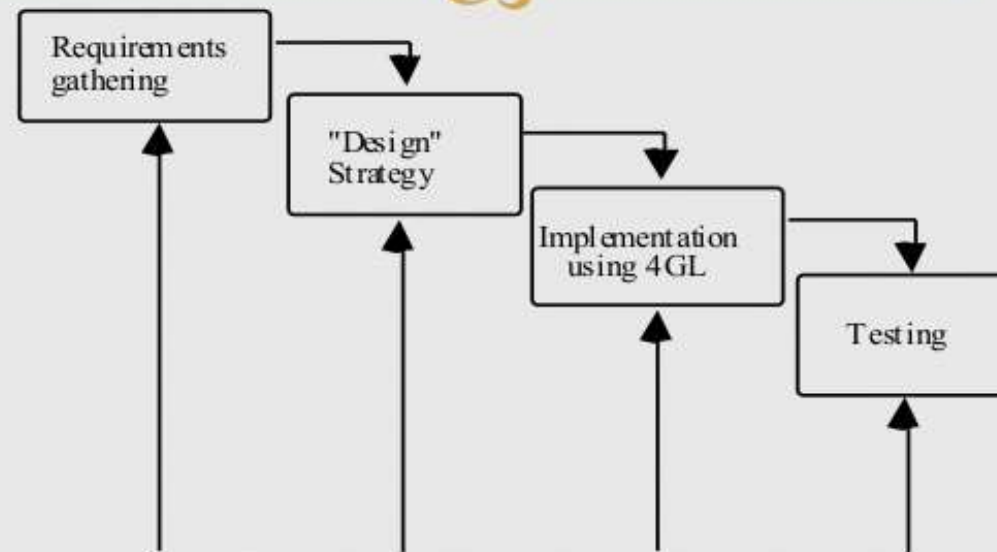
# 4GL Techniques

- The Fourth Generation Technique (4GT) is based on NPL that is the Non-Procedural Language techniques. Depending upon the specifications made the 4GT move towards uses various tools for **the automatic generation of source codes**.

- A software development background that supports the 4GT paradigm includes some or all of the following tools:
  - • Nonprocedural languages for database query
  - • Report generation
  - • Data manipulation
  - • Screen interaction and definition
  - • Code generation
  - • High level graphics capability

# SDLC-4GL

## Fourth Generation Techniques (4GT)



- use of 4GT for large software development efforts demands as much or more analysis design and testing to achieve substantial timesaving that result from the elimination of coding.
  - Requirement Gathering
  - Design Strategy
  - Implementing using a 4GL
  - Product

- The use of 4GT is a feasible approach for a **lot of different application areas**. Coupled with computer-aided software engineering (**CASE**) **tools and code generators**, 4GT offers a convincing clarification to many software problems.
- • Data collectors from organizations that use 4GT indicates that time required to produce software are greatly reduced for **small and middle applications** and that the amount of design and analysis for small applications is also reduced.

# Benefits of the 4GT

- Flexible.
- Scalable
- Total Data Access
- Graphical Data Access