Assignment 2: Produce a comparative infographic of TDD, BDD, and FDD methodologies. Illustrate their unique approaches, benefits, and suitability for different software development contexts. Use visuals to enhance understanding.
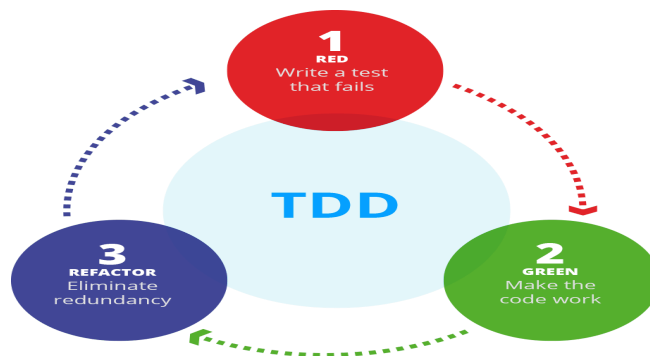
1. **Test-Driven Development (TDD):**

   Approach: Write tests before writing code.

   Benefits:
   ➢ Ensures code meets requirements.
   ➢ Encourages modular and maintainable code.
   ➢ Provides a safety net for refactoring.

   Suitability: Best for small to medium-sized projects. Ideal when requirements are clear.
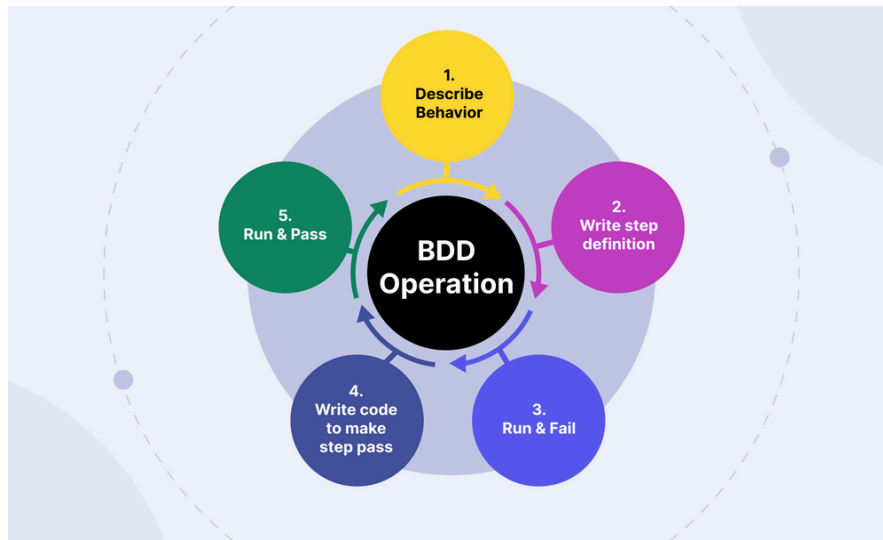

2. **Behavior-Driven Development (BDD):**

   Approach: Define behavior in natural language specifications.

   Benefits:
   ➢ Promotes collaboration between developers, QA, and stakeholders.
   ➢ Enhances understanding of requirements.
   ➢ Produces living documentation.

Suitability: Suitable for projects with complex business logic or when working closely with non-technical stakeholders.

3. Feature-Driven Development (FDD):

Approach: Breaks down development into features.

Benefits:
➢ Emphasizes on delivering features quickly.
➢ Promotes a structured development process.
➢ Encourages team collaboration and accountability.

Suitability: Well-suited for large-scale projects with multiple teams. Works best when requirements are continually evolving.