

# Comprehension Questions

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- What is the primary goal of Alex's "hello-world" repository exercise, and which core GitHub workflows does it teach?
- In the context of branching, why is it advantageous to work on a feature branch rather than committing directly to `main`?
- How does a pull request differ when created as a draft versus a standard PR, and when should each type be used?
- Describe the difference between a fast-forward merge and a squash merge. In which scenario was each used in the Dark Mode case study?
- What steps are involved in manually resolving a merge conflict, and why can't Git always perform merges automatically?
- How do Labels and Milestones enhance issue management and sprint planning on GitHub?
- Explain how a Kanban-style Project board visualizes workflow. What are the typical columns, and how do cards move through them?
- What benefits do Wikis and Discussions provide beyond plain Issues and pull requests? Give one use case for each.
- How do GitHub Actions or CI integrate with Issues and pull requests to automate development processes?
- Why is it recommended to delete feature branches after merging, and how does this practice contribute to repository hygiene?
- In the "WeatherNow" case study, what role do Organization teams and repository permissions play in securing and scaling collaboration?
- List three best practices mentioned across the tutorials for writing commit messages, naming branches, or managing pull requests.



