



Contribution ID: 82

Type: **Workshop or Hackathon**

## Introduction to Test Driven Development

*Thursday, March 7, 2024 11:00 AM (1 hour)*

Test-driven development (TDD) is an approach in software development that plays a role in enhancing the overall quality and efficiency of the software development process.

TDD involves writing automated tests before developing the actual code. In this approach, the developer begins by creating a test that intentionally fails. Subsequently, the necessary code is implemented to pass the test, followed by code refactoring to improve its overall quality. This iterative cycle is applied for each new feature or modification to the codebase.

Utilizing TDD independently or in conjunction with other practices can contribute to maintaining the code in a consistently functional and deployable state. This collaborative approach is effective in identifying and resolving issues or bugs early in the development process, ensuring a smoother and more reliable software development journey.

### Slot length

Workshop (1h)

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