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Experiment no 6

Aim: To integrate Firebase with a flutter application for both Android and ios platform , cloud-based services such as authentication, real-time database, And push notifications

Theory: integrating firebase with flutter allows developer to:

1. Use firebase Authentication to manage user securely
2. Store and sync data in cloud Firestore or Real time Database
3. Track user behaviour with Analysis.
4. Send targeted Push Notifications via Firebase Cloud Messaging.
5. Host backend function with cloud Function.
6. Modify native project files to include Firebase SDKs.

Conclusion: Firebase integration with flutter provides a robust and scalable backend Infrastructure for mobile app development. It simplifies the implementation of essential features such as database storage authentication Reducing development time and effort. By completing the integration For both Android and ios platforms, developer can build unified platform .