

MAD Experiment No. :- 1

→ **Aim & Problem Statement :-** Learning programming languages requires consistent practice, especially with syntax, concepts and code snippets. Traditional flashcards apps are too generic and don't cater to unique needs of coding enthusiasts such as syntax highlighting, code formatting and tracking coding specific progress. There is a need for a specialized flashcard app that helps programmers retain knowledge efficiently.

→ **EXISTING APPS :-**

- 1] ANKI :- Used for medical studies, history and exam preparations [MCAT, GRE]
- 2] QUIZLET :- Vocabulary building, language learning, science, history and school subjects
- 3] BRAINSCAPE :- Language learning, business studies, geography and standardized test preparation (SAT, ACT)

→ **FEATURES :-**

- 1) Category wise flashcards :- Organized cards for multiple languages
- 2) Simple UI :- User-friendly interface ensuring ease of navigation
- 3) Color coded tags :- Tag cards based on difficulty levels
- 4) Daily Reminders :- Push notifications to review flashcards
- 5) Performance graph :- Simple visual representation of progress
- 6) Dark/Light mode :- Provide a comfortable reading experience in different lighting conditions.
- 7) Time tracker :- Track time spent on each flashcards to identify weak areas.

**FLAWS :-**

- 1) Lack of code formatting : Apps don't support synt highlighting for code snippets.
- 2) Generic design :- Not tailored to programmers need

→ **CONCLUSION** :- Proposed flashcard app for coding lang bridges the gap left by traditional flashcard apps. It's de to support programmers with code-friendly features, in ui & performance tracking making it an efficient tool coding enthusiasts. With its easy to implement yet features this app will standout in Playstore. offering personalized and effective learning experience for dev