

REPORT:

❖ Title:

CSE Flashcard Quiz – Python Project

❖ Abstract:

The *CSE Flashcard Quiz* is an educational Python program designed to help 1st-semester Computer Science students revise and memorize key concepts from subjects like C, Python, Data Structures, DBMS, OS, and basic digital logic.

❖ Introduction:

The project provides an interactive, command-line flashcard quiz that presents questions randomly and checks answers instantly. It encourages active recall, which is a proven method for effective learning.

❖ Objectives:

- To make learning fun and interactive
- To help students memorize concepts through repeated practice
- To provide immediate feedback and track performance

❖ Technologies Used: -

Python 3.x

Libraries:

- random
- time

❖ Methodology:

1. Questions and answers are stored in a Python list of dictionaries.
2. The program shuffles the questions randomly.
3. Users input answers, which are checked for correctness.
4. The program gives feedback and updates the score after each question.
5. Users can quit anytime by typing exit.
6. At the end, the total score and a performance message are displayed.

❖ Results:

- Users can see which questions were answered correctly or incorrectly - Final score helps track progress - Motivational messages encourage improvement

❖ Conclusion:

The *CSE Flashcard Quiz* is an effective tool for students to revise important concepts, improve memory retention, and practice problem-solving.

❖ Future Work:

- Add a GUI interface for better usability
- Include more subjects and advanced questions
- Store user progress for long-term tracking

❖ References:

- Python Official Documentation:

<https://docs.python.org/3/>

- C Programming Resources
- DBMS and OS Textbooks