Moderate-Level Interview Answers

1. In the Eye Ball Detection project, my role involved implementing Java logic to detect and map eye movement coordinates.
2. The challenge was maintaining meaning while reducing text. I used tokenization, stop■word removal, and sentence ranking.
3. The algorithm scores sentences based on keyword frequency and selects the highest■scoring ones.
4. Lists are mutable, tuples are immutable, dictionaries store key■value pairs.
5. Using try■except blocks prevents crashes and helps manage errors cleanly.
6. Functions provide reusable blocks, modules group them into organized files.
7. Joins combine data across tables: INNER, LEFT, RIGHT, FULL.
8. I would design Students, Courses, Attendance tables with proper foreign keys.
9. Normalization removes redundancy and increases consistency.
10. HTML structures content; CSS styles it visually.
11. Bootstrap grid divides the page into 12 columns to make layouts responsive.
12. Inline applies on tag, internal inside style, external in separate file.
13. Minify code, compress images, reduce DOM operations.
14. CRUD: Create, Read, Update, Delete. Implemented using MySQL queries.
15. MySQL stored text data and summaries.
16. Using list(set(x)) or loops to keep unique values.
17. I used Git to track changes and collaborate.
18. Build frontend, deploy backend API, configure DB, connect and host.
19. Using naming conventions, indentation, modular structure.
20. Learn Django/Flask, React, DevOps and improve API development.