CAS-imp Questions:

1) **Write a program that finds all elements appearing in both lists (duplicates allowed only once) and upload the code to GIT repository.**

Example:

List1 = [1, 2, 3, 4]

List2 = [3, 4, 5, 6]

Output → [3, 4]

2) **Given a sentence, write a program that counts how many times each word appears. Also upload the code to GIT repository.**

Example:

Input: "the cat and the hat"

Output: {'the': 2, 'cat': 1, 'and': 1, 'hat': 1}

3) **Given a 2D list (matrix), write Python code that prints its transpose and upload the code to GIT repository.**

Example:

Input:

[[1, 2], [3, 4], [5, 6]]

Output:

[[1, 3, 5], [2, 4, 6]]

4) **Write a program that reverses the order of words in a string and upload the code to GIT repository.**

Example: "hello world python" → "python world hello"

5) **Write a Python program that removes duplicates from a list without using set(), while preserving the original order. Also upload the code to GIT repository.**

Input:

numbers = [4, 2, 4, 5, 2, 3, 5, 1]

Output: [4, 2, 5, 3, 1]

6) **Given a list of numbers and a target sum, write a program to find all unique pairs that add up to that sum and upload the code to GIT repository.**

Example:-

Input:-

List → [2, 4, 3, 5, 7, 8, -1]

Target sum → 6

Output:- [(2, 4), (3, 3), (7, -1)]

7) **Given a sentence, write a program that counts how many times each word appears. Also upload the code to GIT repository.**

Example:

Input: "the cat and the hat"

Output: {'the': 2, 'cat': 1, 'and': 1, 'hat': 1}

8) **Write a Python program that removes duplicates from a list without using set(), while preserving the original order. Also upload the code to GIT repository.**

Input:

numbers = [4, 2, 4, 5, 2, 3, 5, 1]

Output: [4, 2, 5, 3, 1]

MCQ

1) **The book is divided ___ four sections.**
A. Into B. In C. With D. Over

2) **Para-jumble: P: He called police. Q: Heard noise. R: Opened door. S: Woke up.**
A. S-Q-R-P B. Q-S-R-P C. S-R-Q-P D. Q-R-S-P

3) **A is twice B. After 6 yrs sum=48. B age?**
A. 12 B. 14 C. 16 D. 18

4) **5! + 4! = ?**
A. 144 B. 152 C. 168 D. 160

5) **Merge conflicts occur when:**
A. Files deleted B. Same line edited C. Server offline D. Identical commits

6) **Automation file in GitHub Actions?**
deploy.yml B. pipeline.yml C. .github/workflows/*.yml D. ci_cd.json

8) **First step Git workflow:**
A. Commit B. Push C. Staging D. Modify files

9) **Binary search needs:**
A. Unsorted B. Sorted C. Float D. LL only

10) **Good GD skill:**
A. Interrupt B. Listen/respond C. Speak once D. Criticize

11) **Fluency measured by:**
A. Speed B. Rhythm C. Loudness D. Accent

12) **Choose the correct indirect speech: He said, "I cannot attend the meeting today."**
A. He said that he could not attend the meeting that day
B. He said that he cannot attend the meeting today
C. He said he was not able to attend the meeting today
D. He said he cannot attend the meeting that day

13) **Select the correct subject–verb agreement:**
A. Either the manager or the employees is responsible.
B. Either the manager or the employees are responsible.
C. Either the manager nor the employees are responsible.
D. Neither the manager or the employees is responsible.

14) **Antonym of Prudent:**
A. Careful B. Cautious C. Reckless D. Wise

15) **Loss 15%, SP=374. CP?**
A. 420 B. 440 C. 450 D. 460

16) **Permutations of BANANA?**
A. 60 B .120 C. 360 D. 720

17) **Find the Odd one out:**
A. Cylinder B. Cube C. Sphere D. Rectangle

18 **If Jan1 2025 is Wed, Jan1 2026 is?**
A. Wed B. Thu C. Fri D. Sat

19) **Series: ZA,YB,XC,WD,?**
A. UE B.VE C. VF D. UF

20) **Staging area in Git?**
A. Commit storage B. Temp area before commit C. Remote repo D. Branch Workspace

21) **Stress interview checks:**
A. Strength B. Emotional stability C. Memory D. Dress

22) **Antonym of Prudent:**

A. Careful B. Cautious C. Reckless D. Wise

23) Find missing: 4,12,36,108,?

A. 324 B. 300 C. 320 D. 400

24) What is the Angle at 5:40 in the clock?

A. 20° B. 30° C. 40° D.50°

25) Deployment means:

A. CI tests B. Backup C. Release to production D. Merge branches

26) Pull request is:

A. Delete code B. Request review & merge C. Clone repo D. Create tag

27) Optimization reduces:

A. Readability B. Accuracy C. Time & Space D. Debugging

28) Binary search needs:

A. Unsorted B. Sorted C. Float D. LL only

29) Accent neutralizing:

A. Copy accents B. Remove regional influence C. Speak slow D. Over articulate

30) Formal closing:

A. See ya B. Cheers C. Yours sincerely D. Bye

31) Good subject line:

A. Long B. Clear C. All caps D. Emotional

32) Para-jumble: P: He called police. Q: Heard noise. R: Opened door. S: Woke up.

A. S-Q-R-P B. Q-S-R-P C. S-R-Q-P D. Q-R-S-P

33) Merge conflicts occur when:

A. Files deleted B. Same line edited C. Server offline D. Identical commits

34) First step Git workflow:

A. Commit B. Push C. Staging D. Modify files

35) Antonym of Prudent:

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36) Find the Odd one out:

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41 Deployment means:

A. CI tests B. Backup C. Release to production D. Merge branches