10 Coding Questions:

WAP( write a program )

Q1. WAP which multiplies two integers A and B.

Q2. WAP which finds whether number is EVEN or ODD.

Q3. WAP which find factorial of a number N.

Q4. WAP which counts the number of vowels in a string.

Q5. WAP which finds maximum number in an array.

Q6. WAP which finds minimum number in an array.

Q7. WAP to swaps 2 integers A and B.

Q8. WAP which checks that a given year is leap year or not (hint: After Every four year)

Q9. WAP which reverse a string S.

Q10. WAP to find maximum Number among three integers ( A,B and C)

5 MCQ’s questions:

Q1. What is the time complexity of an algorithm that loops through an array of size N once?

A) O(N)

B) O(log N)

C) O(N^2)

D) O(1)

Q2. Which data structure follows the Last In, First Out (LIFO) principle?

A) Queue

B) Stack

C) Linked List

D) Heap

Q3. What is the purpose of the "break" statement in a loop?

A) Skip to the next iteration

B) Exit the loop

C) Restart the loop

D) Pause the loop temporarily

Q4. In a binary search, what is the key characteristic of the array being searched?

A) Must be sorted

B) Must be reversed

C) Must be shuffled

D) Must be unsorted

Q5. What is the time complexity of an algorithm?

A) The amount of memory it uses

B) The number of operations it performs

C) The execution speed on a specific machine

D) The input size the algorithm can handle