Control Flow Statements

Conditional Statements – Beginner level practical questions

1. Check if a number is even or odd: Write a program that takes a number as input and uses an if-else statement to check whether the number is even or odd.
2. Find the largest of two numbers: Create a program that takes two numbers as input and uses an if-else statement to determine and display the larger number.
3. Write a program that takes a student's marks (0-100) as input and uses an if-else ladder to display their grade:

Above 90: A

80-89: B

70-79: C

60-69: D

Below 60: F

1. Check if a person is eligible to vote: Create a program that takes a person's age as input and uses an if-else statement to check if they are eligible to vote (age 18 or above).
2. Write a JavaScript program that takes a number (1-7) as input and uses a switch statement to display the corresponding day of the week:

1: Sunday

2: Monday

3: Tuesday

4: Wednesday

5: Thursday

6: Friday

7: Saturday

If the input is not between 1 and 7, display an error message saying "Invalid day number."

Looping Statements – Beginner level practical questions

**For Loop Questions:**

1. Write a for loop to print numbers from 1 to 10.
2. Create a for loop to calculate the sum of all even numbers between 1 and 20.
3. Using a for loop, reverse the string "JavaScript" and print the result.
4. Write a for loop to print the elements of an array in reverse order.
5. Use a for loop to print the multiplication table of 7.

**While Loop Questions:**

1. Write a while loop to calculate the sum of numbers from 1 to 50.
2. Create a while loop that prints all numbers divisible by 5 between 1 and 100.
3. Use a while loop to find the factorial of a given number.

**Do-While Loop Questions:**

1. Write a do-while loop to prompt the user to enter a number greater than 10. Keep asking until the condition is met.
2. Using a do-while loop, print the first 5 natural numbers starting from 1.