JavaScript Decision-Making Exercises

Exercise 1: Check if a Number is Positive, Negative, or Zero

Write a JavaScript program that takes a number as input and checks whether it is positive, negative, or zero.

Exercise 2: Check Even or Odd

Write a JavaScript program that takes a number and checks if it is even or odd.

Exercise 3: Check Voting Eligibility

Write a JavaScript program that asks for a user's age and determines if they are eligible to vote (age should be 18 or above).

Exercise 4: Find the Largest of Two Numbers

Write a JavaScript program to find the largest of two numbers given by the user.

Exercise 5: Check If a Person is Eligible for a Discount

A store gives a discount if:

- The person is either a senior citizen (age 60 or above) **or**
- The person has a membership card.

Write a JavaScript program that checks if a person is eligible for a discount.

Exercise 6: Login System with Username and Password

Write a JavaScript program that checks if the username is `"admin"` and the password is `"12345"`. If both match, display `"Login successful"`, otherwise `"Invalid credentials"`.

Exercise 7: Grade System

Write a JavaScript program that takes a student's marks and assigns a grade based on the following criteria:

- 90 and above → A
- 80 to 89 → B
- 70 to 79 → C
- 60 to 69 → D
- Below 60 → F

Exercise 8: Traffic Light System

Write a JavaScript program that takes a traffic light color as input ("red", "yellow", or "green") and prints the appropriate action:

- "red" → "Stop"
- "yellow" → "Slow down"
- "green" → "Go"