

Statement

Write a JavaScript program that prompts the user for their age and outputs a message based on the age entered:

- If the age is less than 13, output "You are a child."
- If the age is between 13 and 19, output "You are a teenager."
- If the age is 20 or more, output "You are an adult."
- Use both `if...else` and `switch` statements to demonstrate branching.

Loop :

- Given an array `['a', 'b', 'c', 'd', 'e']`, use a `for` loop to create a new array with the elements in reverse order and print the new array.
- Write a `do...while` loop that calculates and prints the sum of the first N natural numbers. For example, if $N = 5$, the sum would be $1 + 2 + 3 + 4 + 5 = 15$.
- Write a `do...while` loop to calculate the factorial of a given number (e.g., $5! = 5 \times 4 \times 3 \times 2 \times 1 = 120$). Ensure that the loop runs at least once.
- Write a `while` loop to reverse a given integer number. For example, if the input is 12345, the output should be 54321.
- Given an array of numbers `[3, 5, 7, -2, 4, -1, 8]`, write a `while` loop to find and print the first negative number in the array.