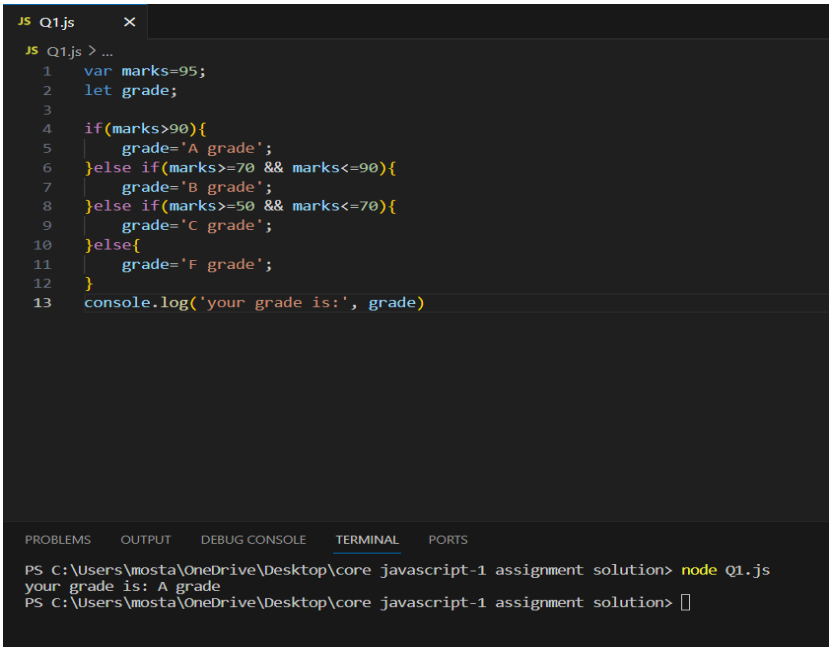
Core Javascript-1 Assignment Solution

Q1. Write a program that grades students based on their marks.

- **If greater than 90 then A Grade**
- **If between 70 and 90 then a B grade**
- **If between 50 and 70 then a C grade**
- **Below 50 then an F grade**

Answer:



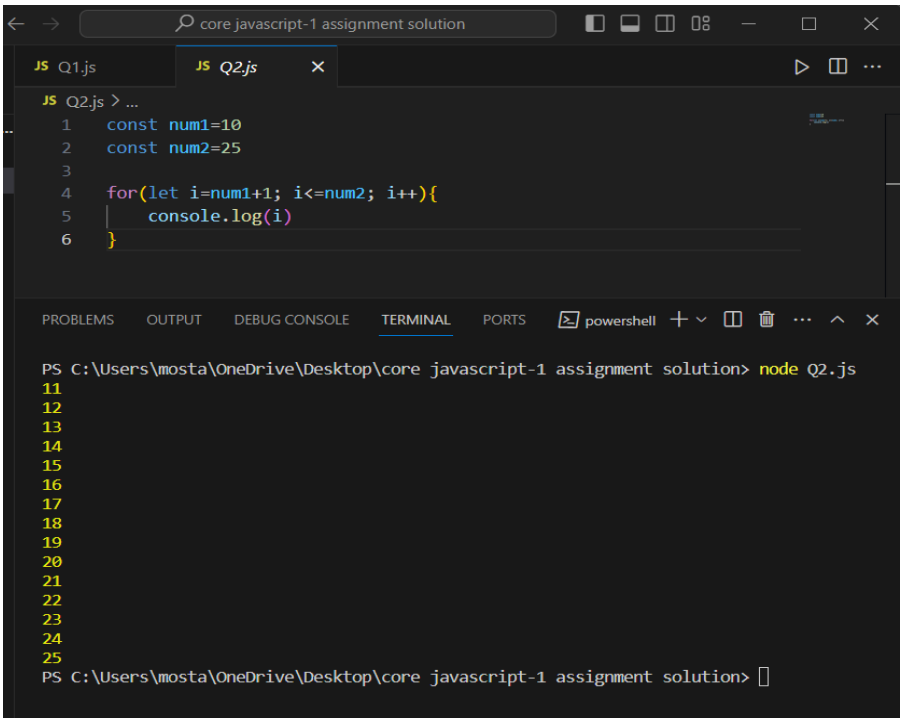
Q2. Generate numbers between any 2 given numbers.

Ex.

Const num1 = 10;
Const num2 = 25;

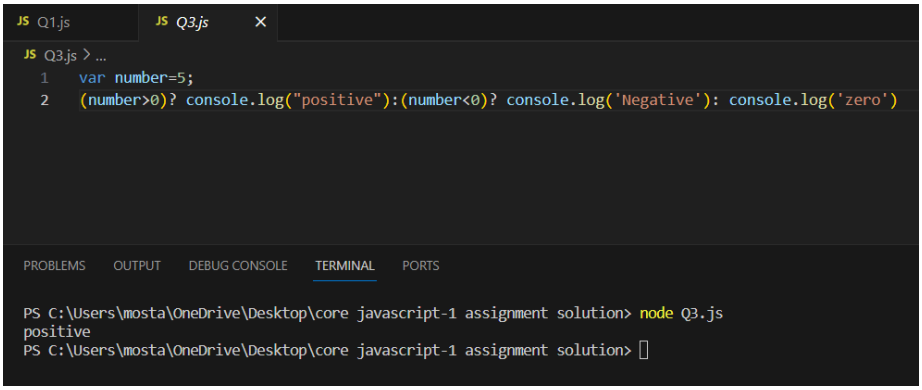
Output: 11,12,13,....., 25

Answer:



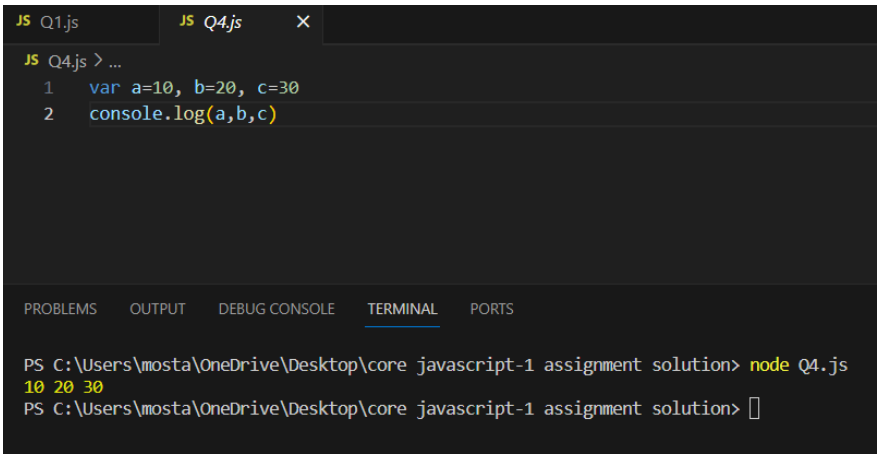
Q3. Use a nested ternary operator to check that a number is positive, negative or zero. You have to print "positive" if the number is positive and similarly for negative and zero also.

Answer:



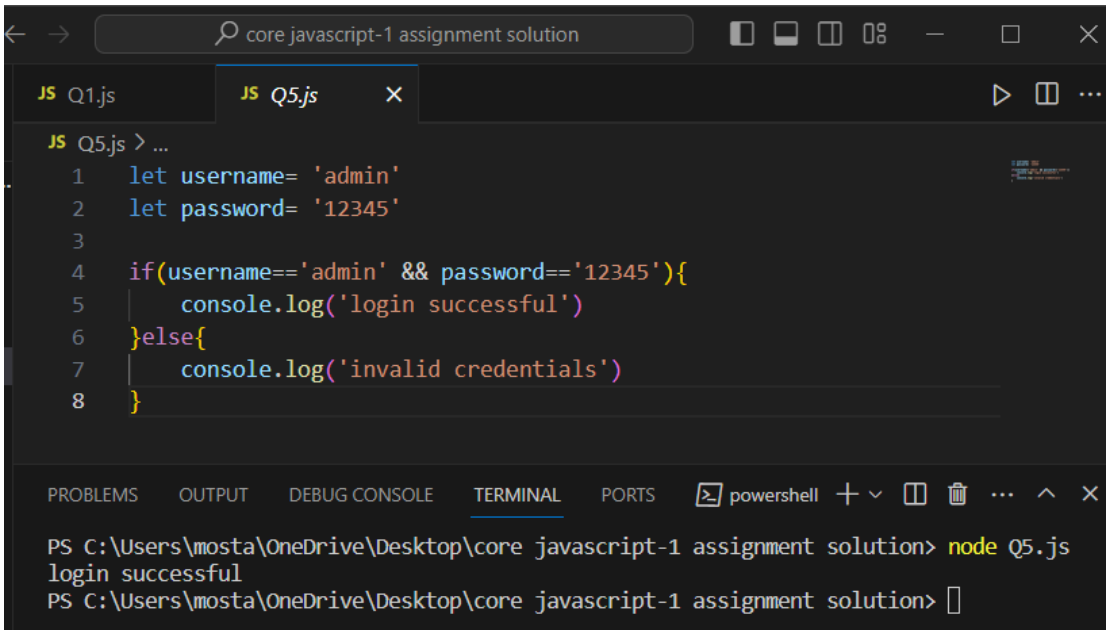
Q4. Describe the usage of the comma operator in JavaScript and provide an example.

Answer: Comma operator is used to write multiple expressions in a single statement. Example-



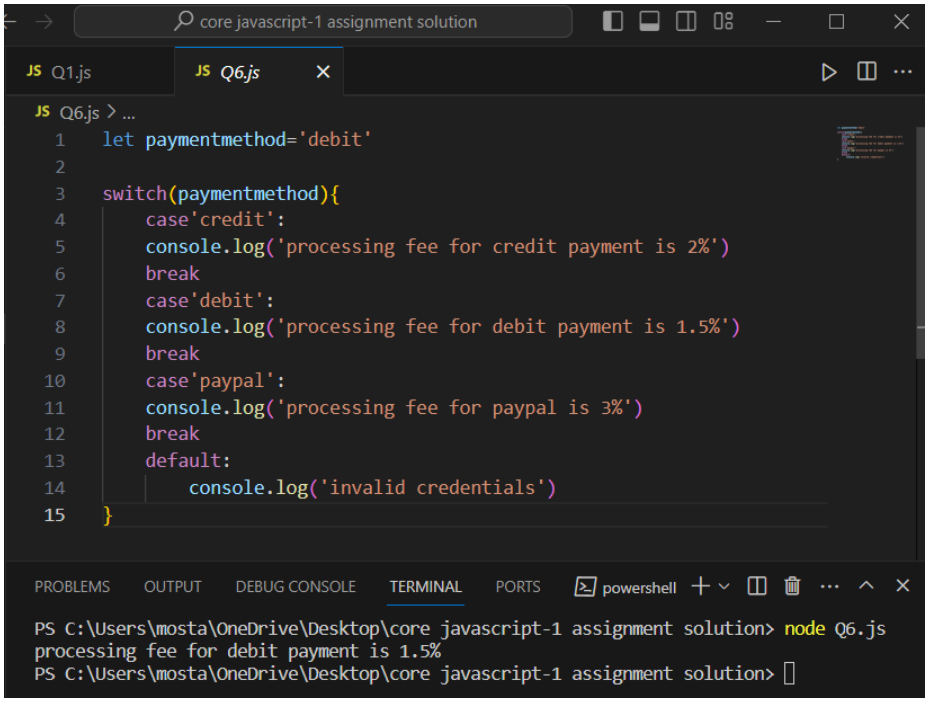
Q5. You're creating a basic login system. Make a login function with two things: a username and a password. Check if the username is "admin" and the password is "12345". If they're both correct, show "Login successful"; if not, show "Invalid credentials."

Answer:



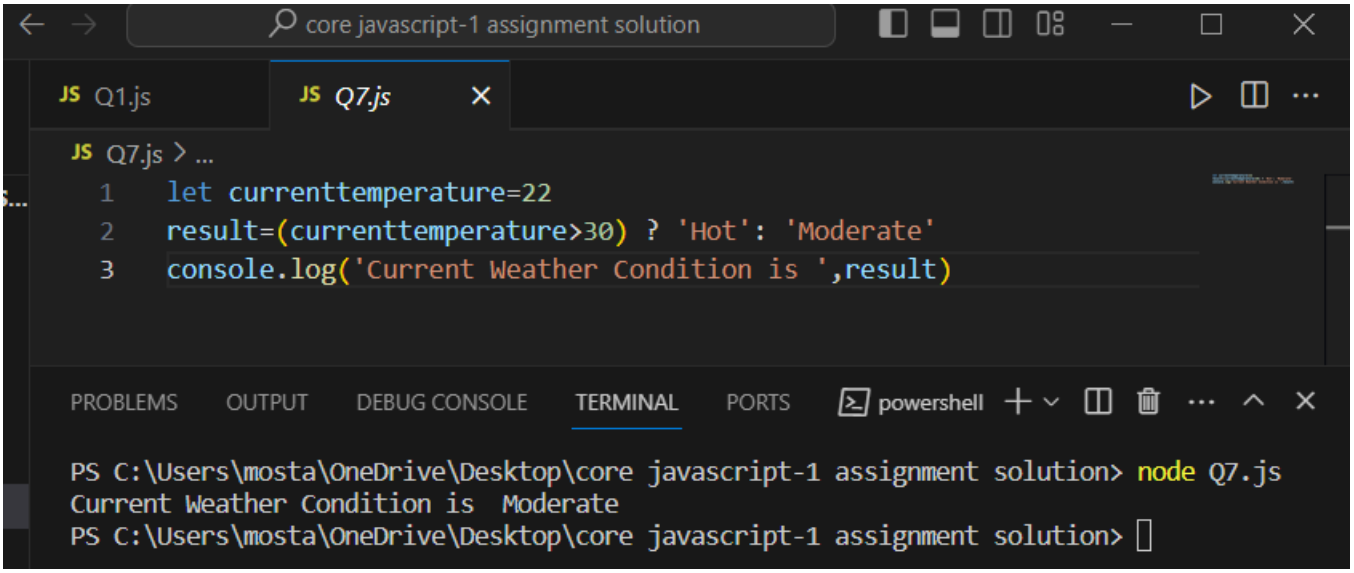
Q6. You are working on an e-commerce platform. Write a JavaScript program that takes the payment method ("credit", "debit", or "paypal") as input and uses a switch statement to determine and print the processing fee associated with each payment method. For example, "credit" may have a processing fee of 2%, "debit" 1.5%, and "paypal" 3%.

Answer:



Q7. You are building a weather application. Write a JavaScript program that takes the current temperature as input and uses the conditional (ternary) operator to determine and print the weather condition. If the temperature is above 30°C, the condition is "Hot"; otherwise, it is "Moderate".

Answer:



Q8.You are creating a program to calculate the sum of numbers. Write a JavaScript program that takes a positive integer as input and uses a do-while loop to calculate and print the sum of all numbers from 1 to the given integer.

Answer: