

Core Javascript-1

Assignment Questions



NOTE:

1. Please go through the questions properly before attempting to solve them through code or theory.
2. Wherever you find take input means that you should create a variable and assign values by yourself.
3. You need not submit assignments anywhere, you will be getting the solutions soon for validating your answers.

Good luck, and Happy Learning!

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

Q2. Generate numbers between any 2 given numbers.

Ex.

```
Const num1 = 10;  
Const num2 = 25;
```

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

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.

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

```
let username = "admin";  
let password = "12345";
```

Login Successful

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%.

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".

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.

