

# Introduction to Javascript Operations

## Assignment Questions



**Q1. Explain the role of operators in JavaScript. Why are they essential in programming?**

**Q2. Describe the categorization of operators in JavaScript based on their functionality. Provide examples for each category.**

**Q3. Differentiate between unary, binary, and ternary operators in JavaScript. Give examples of each.**

**Q4. Discuss the precedence and associativity of operators in JavaScript. Why is understanding these concepts important?**

**Q5. Write a JavaScript program that calculates the simple interest using the formula  $\text{Simple interest} = (\text{principal} * \text{rate} * \text{time}) / 100$ .**

**Q6. Write a Javascript program to calculate the Body Mass Index (BMI) using the formula  $\text{BMI} = \text{weight (kg)} / \text{height} * \text{height}$ .**

**Q7. Write a program in JavaScript to calculate the area of a circle given its radius value of 10. Use appropriate arithmetic operators.**