**JavaScript Assignment: Number and Math Methods**

### **Assignment Tasks**

#### **1. Using Number Methods**

Write a JavaScript program to perform the following:

1. Convert the number 123 to a string using the toString() method and display the result.
2. Round the number 45.6789 to two decimal places using the toFixed() method and display the result.
3. Format the number 9876543.21 using toLocaleString() to display it in a readable format.

#### **2. Absolute and Rounding Operations**

Write a program to demonstrate the use of the following Math methods:

1. Use Math.abs() to find the absolute value of -35.
2. Use Math.round() to round 12.5 to the nearest integer.
3. Use Math.floor() to round 9.9 down to the nearest integer.
4. Use Math.ceil() to round 6.1 up to the nearest integer.

#### **3. Finding Maximum and Minimum Values**

Write a program to find:

1. The maximum value among the numbers 15, 42, 7, 89, and 23 using Math.max().
2. The minimum value among the numbers 15, 42, 7, 89, and 23 using Math.min().

#### **4. Power and Square Root**

Write a program to:

1. Calculate 5 raised to the power of 3 using Math.pow().
2. Find the square root of 64 using Math.sqrt().

#### **5. Generating Random Numbers**

Write a program to:

1. Generate a random decimal number between 0 and 1 using Math.random().
2. Generate a random whole number between 1 and 100. Hint: Multiply the result of Math.random() and use an appropriate rounding method.