

## JavaScript Syntax - Practice Code

### Problem Statement 1: Global Vs Local Variable

Differentiate the difference between the scope of global and local variables with help of the JavaScript function.

```
Outside function : 200  
Inside function : 100
```

### Problem Statement 2: Display methods

Write a simple JavaScript program that displays the multi line text with and without template literals.

```
"List of Fruits  
Apple  
Orange  
Mango"
```

```
"List of Fruits  
Apple  
Orange  
Mango"
```

### Problem Statement 3: Simple Interest

Using Expressions and simple arithmetic operators calculate and display the simple interest value in the console.

```
"Simple Interest isSimple Interest is 70"
```

### Problem Statement 4: Menu list

Create a menu list using JavaScript template literals and print the Menu list in the console log.

```
Menu Items  
Sandwich  
French Fries  
Potato wedges  
Donuts  
Pizza
```

## Solution:

### Problem Statement 1:

```
<!DOCTYPE html>
<html>
<head>
  <title>Global VS Local Variable</title>
</head>
<body>
  <script>
var data=200;//global variable declaration
function a() {
var data = 100; //Local Variable
document.write("Inside function : ", data); // inside function
}
document.write("Outside function : ", data); // outside function
document.write("<br>");
a();
</script>
</body>
</html>
```

### Problem Statement 2:

```
<!DOCTYPE html>
<html>
<head>
  <title>Literals</title>
</head>
<body>
  <script>
    //Multiline
    // Without template literal
    console.log('List of Fruits \nApple \nOrange \nMango');

    // With template literal
    console.log(`List of Fruits
    Apple
    Orange
    Mango`);
  </script>
</body>
</html>
```

### Problem Statement 3:

```
<!DOCTYPE html>
<html>
<head>
  <title>Global VS Local Variable</title>
</head>
<body>
```

```
<script>
//Expressions
var p = 1000;
var n = 1;
var r = 7;
//use of operators and assigning values
var SI = `Simple Interest is ${ (p *
    n * r)/100}`;
console.log("Simple Interest is" + SI);

</script>
</body>
</html>
```

#### Problem Statement 4:

```
<!DOCTYPE html>
<html>
<head>
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width">
    <title>Literals</title>
</head>
<body>
    <script>

// With template literal
console.log(`Menu Items
Sandwich
French Fries
Potato wedges
Donuts
Pizza`);
    </script>
</body>
</html>
```