

Task4: Variables, Functions, and Inheritance

“Discuss how to use variables and functions in Sass. Create an example that shows how to declare a variable and a function in Sass, and how they can be used to maintain consistency in styles. Additionally, explain the concept of inheritance in Sass and provide a code example that demonstrates this.”

➔ Sass supports variables to store values, functions for reusable logic, and inheritance to share styles between selectors.

➔ Example:

- **Scss**

```
// Variables
```

```
$base-color: #3498db;
```

```
$padding: 10px;
```

```
// Function
```

```
@function calculate-rem($size) {
```

```
  @return $size / 16 * 1rem;
```

```
}
```

```
// Inheritance
```

```
%button-base {
```

```
  padding: $padding;
```

```
  border: none;
```

```
  color: white;
```

```
  background-color: $base-color;
```

```
}
```

```
.button {
```

```
@extend %button-base;  
  
font-size: calculate-rem(14px);  
  
}
```

- **CSS**

```
.button {  
  padding: 10px;  
  border: none;  
  color: white;  
  background-color: #3498db;  
  font-size: 0.875rem;  
}
```