1) ```
let x = "John Doe";
let x = 0;
// SyntaxError: 'x' has already been declared
```
2) ```
var x = "John Doe";
var x = 0;
```
3) ```
{
    var x = 2;
}
// x CAN be used here
 console.log(x);
```

4) Global Scope example
```
<script>
let x =20;
document.write("Outside the function x = " + x);

function show(){
   document.write("
 Inside the function x = " + x);
}
show();
</script>
```
5) Function Scope example
```
<script>
function show(){
   let num = 15;
   document.write("Inside the function num = " + num);
}
show();
document.write("
 Outside the function num = " + num);
</script>
```

6) Block Scope example
```
<script>
 {
   let num = 30;
   document.write("Inside the function num = " + num);
 }
 document.write("
 Outside the function num = " + num);
</script>
```
7) Redeclaring variable in different blocks

```
<script>
     let num = 23;
     {
        let num = 15;
```

```
        document.write("num inside the function = " + num);
    }
    //let num = 89; //uncoment this to check error
    document.write("<br> num outside the function = " + num);
</script>
```

8) How let is different from the var keyword?

```
<script>
        function checkGlobalScope() {

            // x is declared yet so not available here
            document.write('Value of x before the block: ' + x);
            {
                var x = 20;
                xx = x + 8;
            }
            // x is still known here and has a value.
            document.write('<br> Value of x after the block: ' + x);
        }

        //x is declared inside the function, so not available here
        checkGlobalScope()
        </script>
```

9) Ref below link for more examples
   https://www.javatpoint.com/javascript-let-keyword