

```
"use strict";
```

```
// exercise 1
```

```
const pow = (base, exponent) => {  
  if (exponent === 0) {  
    return 1;  
  } else {  
    return base * pow(base, exponent - 1);  
  }  
};
```

```
// exercise 2
```

```
const concatenateWords = (...words) => {  
  return words.join(' ');  
};
```

```
//exercise 3
```

```
const performOperation = (num1, num2, operation) => {  
  if (typeof operation === 'function') {  
    return operation(num1, num2);  
  } else {  
    throw new Error('Invalid operation. Please provide a valid function.');  }  
};
```

```
// exercise 4
```

```
//The result of the code will be: 100
```

```
//exercises 5
```

```
//nombre is not defined anywhere
```

```
//in the code, this will result in a ReferenceError because nombre is not defined.
```

```
//exercises 6
```

```
//after calling console.log(coche1()); we will
```

```
//get "tesla" as result and after calling console.log(coche2()); we will get "mg" as result.
```

```
//exercises 7
```

```
//1 The if condition appears to contain incorrect syntax. The if condition (animal1 == conejo) should be if (animal == "conejo")
```

```
//to check whether the value of the animal variable is equal to the string "conejo".
```

```
//2 There is an incompatibility in the use of backticks or regular quotes in strings,
```

```
//which can cause problems. Use regular quotation
```

```
//marks (" or ') to represent strings in JavaScript
```

```
//3Additionally, the habla() function call is outside
```

```
//scope where the habla function is defined, so this will result in a ReferenceError.
```

```
//corrected code
```

```
let animal = "gato";
```

```
if (1) {  
  let animal = "conejo";  
  function habla() {  
    if (animal == "conejo") {  
      console.log("Los conejos no hacen ruido");  
    } else {  
      console.log("Los gatos maúllan");  
    }  
  }  
  habla();  
}
```