

JS Functions Practice Questions

1. Basic Function Definition and Call

Question:

Write a function `printMessage` that prints "Welcome to JavaScript Functions!".

Expected Output:

```
Welcome to JavaScript Functions!
```

2. Function with Parameters

Question:

Write a function `multiply` that takes two numbers as parameters and returns their product.

Input:

```
console.log(multiply(4, 5));
```

Expected Output:

```
20
```

3. Function Returning a Value

Question:

Write a function `getGreeting` that takes a name as input and returns "Hello, <name>!".

Input:

```
console.log(getGreeting("Alice"));
```

Expected Output:

```
Hello, Alice!
```

4. Function with Default Parameters

Question:

Create a function `greet` that takes a name and prints "Hello, <name>! ". If no name is provided, default to "Guest".

Input:

```
greet();
greet("John");
```

Expected Output:

```
Hello, Guest!
Hello, John!
```

5. Function Expression

Question:

Write a function expression `divideNumbers` that divides two numbers and returns the result.

Input:

```
console.log(divideNumbers(20, 5));
```

Expected Output:

```
4
```

6. Anonymous Function

Question:

Use an anonymous function to print "This is an anonymous function!".

Input:

```
anonymousFunc();
```

Expected Output:

```
This is an anonymous function!
```

7. Arrow Function

Question:

Convert a function `square` into an arrow function.

Input:

```
console.log(square(6));
```

Expected Output:

```
36
```

8. Function Returning Another Function

Question:

Write a function `createMultiplier` that returns another function to multiply a number by a given factor.

Input:

```
const double = createMultiplier(2);
console.log(double(5));
```

Expected Output:

```
10
```

9. Function with Multiple Parameters

Question:

Write a function `sumNumbers` that takes three numbers and returns their sum.

Input:

```
console.log(sumNumbers(3, 4, 7));
```

Expected Output:

```
14
```

10. Function Scope

Question:

Demonstrate the difference between local and global scope using `var`, `let`, and `const`.

Expected Output:

```
10
ReferenceError: b is not defined
ReferenceError: c is not defined
```

JS Functions Assignment Questions

1. Write a function `add` that takes two numbers as parameters and returns their sum?
2. Write a function that checks if a number is even or odd?
3. Write a function `findMax` that takes two numbers and returns the larger one?
4. Write a function `celsiusToFahrenheit` that converts Celsius to Fahrenheit?
5. Convert the function below into an arrow function?

```
function subtract(a, b) {
  return a - b;
}
```