Functions

1.Write a JavaScript function that takes two numbers and an operator ('+', '-', '*', '/') as arguments and returns the result of the arithmetic operation.

```
function arithmetic(num1,num2,operator) {
    switch (operator) {
        case '+':
            return num1 + num2;
            break;
        case '-':
            return num1 - num2;
            break;
        case '*':
            return num1 * num2;
            break;
        case '/':
            return num1 / num2;
            break;
        default:
            return "Invalid Operator"
            break;
    }

}
console.log(arithmetic(10,20,'+'));
console.log(arithmetic(10,20,'-'));
console.log(arithmetic(10,20,'*'));
console.log(arithmetic(10,20,'/'));
console.log(arithmetic(10,20,'%'));
```

Output:

30

-10

200

0.5

Invalid Operator

2.Write a JavaScript function that takes a number as a argument and returns it's square value

```
function squareroot(num) {
    return num**2;
}
console.log(squareroot(5));
```

Output: 25

3.Write a JavaScript function that takes two numbers as a arguments and returns the highest(max) of the number using ternary operator inside a function

```
function max(num1, num2) {
    return num1 > num2 ? num1 : num2;
}
console.log(max(5, 10));
console.log(max(15, 10));
```

Output:

10

15

4.Write a javascript function which takes three arguments (amount , rate of interest, no of years) returns the total value of interest

```
function totalInterest(a, r, y) {
    return a * r * y / 100;
}
console.log(totalInterest(1000, 5, 2));
console.log(totalInterest(1500, 3.5, 4));
```

Output:

100

210