1. Write a program that takes as input a city name and outputs the country where the city is. You may choose which cities and countries you want to output yourself, however there has to be at least 5 countries and 15 cities. Note that each country must have a different number of cities. Input different from the listed cities should output a message "Please choose a different city".

```javascript
// Change input by changing this variable value
var city = 'London';

switch (city) {
    case 'Prague':
        console.log('Czech Republic');
        break;
    case 'Paris':
    case 'Nice':
        console.log('France');
        break;
    case 'Berlin':
    case 'Munich':
    case 'Hamburg':
        console.log('Germany');
        break;
    case 'Madrid':
    case 'Barcelona':
    case 'Seville':
    case 'Valencia':
        console.log('Spain');
        break;
    case 'London':
    case 'Manchester':
    case 'Liverpool':
    case 'Burnley':
    case 'Oxford':
        console.log('England');
        break;
    default:
        console.log('Please choose a different city.')
}
```

2. Write a program that takes as input two numbers and a string denoting the operation ("+", "-", "*", "/") and prints out the appropriate result. Watch out for division by zero!

```javascript
// Change input by changing this variable value
var operation = '+';
var a = 5;
var b = 16;

switch (operation) {
    case '+':
        console.log(a+b);
        break;
    case '-':
        console.log(a-b);
        break;
    case '*':
        console.log(a*b);
        break;
    case '/':
        if (b == 0) {
            console.log('Division by zero!');
        }
        else {
            console.log(a/b);
        }
        break;
    default:
        console.log('Unknown operation!')
}
```