

02.03 Lab Solution

1. Convert the following if-else into a ternary:

```
let msg = "";

if ('plums' < 'pears') {
    msg = 'plums b4 pears';
} else {
    msg = 'pears b4 plums';
}
console.log('if else:', msg);

'plums' < 'pears' ? msg = 'plums b4 pears' : msg = 'pears b4 plums';
console.log('ternary:', msg);
```

2. Convert the following if-else into a ternary:

```
let x = 12;
let y = 6;
let z = 0;

if (x <= y) {
    z = x / y;
} else {
    z = y / x;
}

console.log(z);

x <= y ? z = x / y : z = y / x;
console.log(z);
```

3. Convert the following ternary into if-else:

```
let n = 8;

n == 8 ? console.log("equal") : console.log("not equal");

if(n == 8) {
    console.log("equal")
} else {
    console.log("not equal");
}
```

switch case break

4. Convert the following if-else to switch-case-break:

```
let country = "Ghana";
let continent = "";

if (country === "Canada") {
    continent = "North America";
} else if (country === "China") {
    continent = "Asia";
} else if (country === "Ghana") {
    continent = "Africa";
} else if (country === "Bolivia") {
    continent = "South America";
} else if (country === "France") {
    continent = "Europe";
} else {
    continent = "Australia";
}

switch (country) {
    case "Canada":
        continent = "North America";
        break;
    case "China":
        continent = "Asia";
        break;
    case "Ghana":
        continent = "Africa";
        break;
    case "Bolivia":
        continent = "South America";
        break;
    case "France":
        continent = "Europe";
        break;
    default:
        continent = "Australia";
        break;
}
```

- END Lab 02.03 Solution