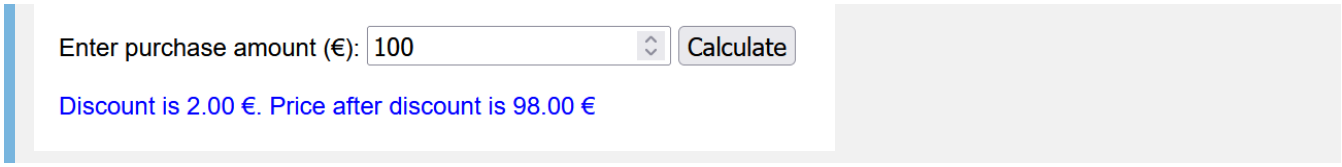
Conditional statement

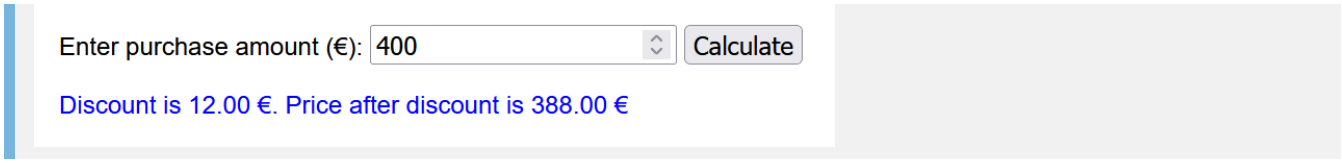
1. Loyalty discount

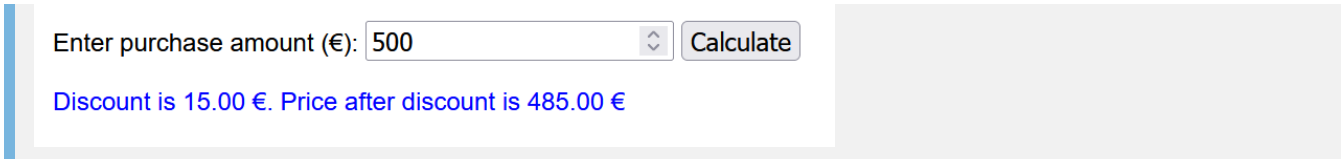
A retail chain customer loyalty program gives discounts on purchases according to the following table:

Purchase	Discount
Less than 300	2%
Less than 600	3%
600 or more	4%

Write a program that calculates the discount received from a purchase and the price after the discount.







Hints

The idea of the code is:

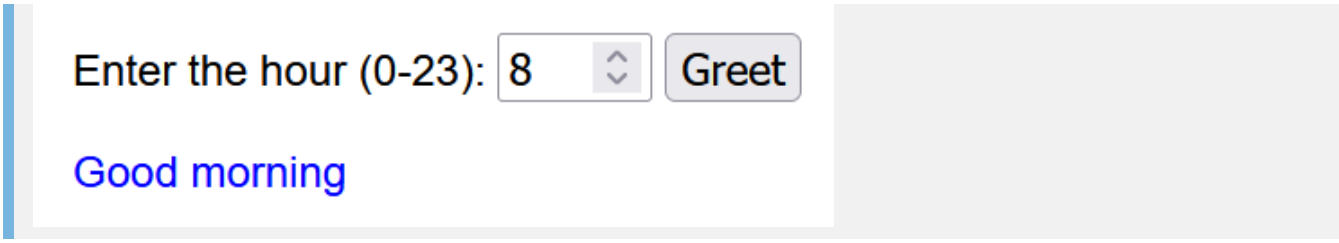
```
assign the value from the form field to a variable
    if (purchases < 300) {
        discount is 2% (purchases * 0.02)
    } else if (purchases < 600) {
        discount is 3% (purchases * 0.03)
    } else {
        discount is 4% (purchases * 0.04)
    }
    price is purchases - discount
}
```

2. Greeting

Write a program that greets the user based on the hour of the day.

If the hour is:

- 6-11: Good morning
- 12-18: Good afternoon
- 19-23: Good evening
- Otherwise: Good night

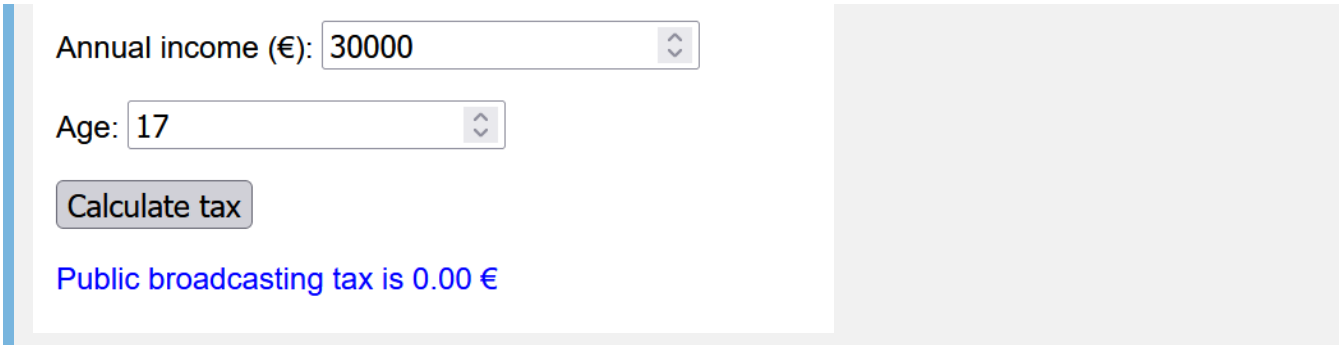


3. Public broadcasting tax

Income from wages is subject to a public broadcasting tax.

- The public broadcasting tax is 2.5% of the annual income exceeding 15150 euros but at most 160 euros.
- No public broadcasting tax is paid if the income is less than 15150 euros.
- Persons under 18 years are exempt from public broadcasting tax.

Write a program that calculates the amount of the public broadcasting tax when the annual income and age are given.



Hints

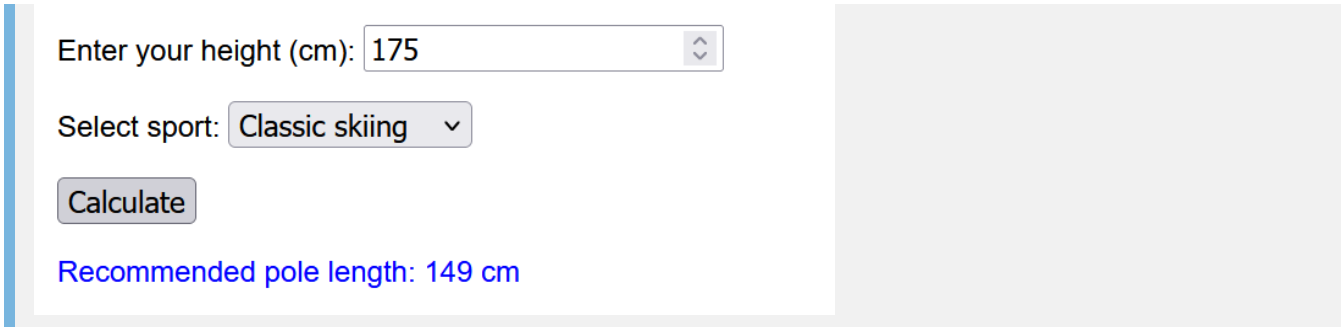
- The formula for calculating the tax is `(annual income - 15150) * 2.5/100`.

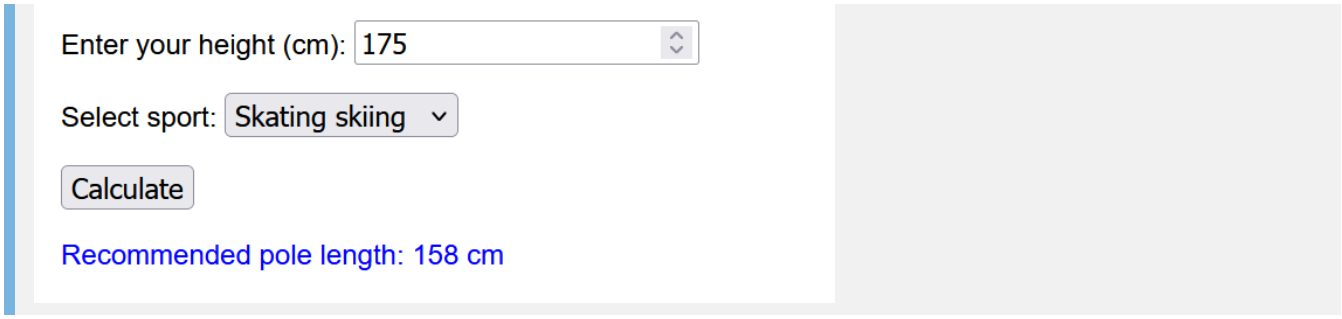
4. Pole length

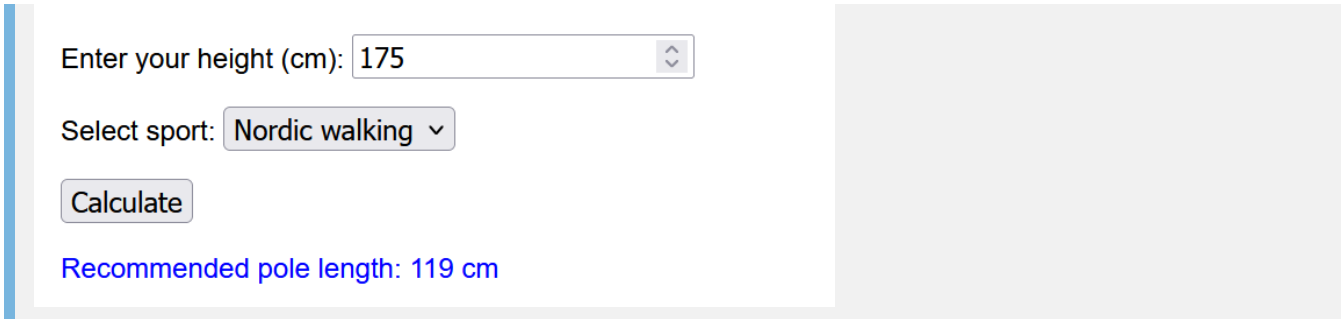
Write a program that calculates the pole length used in Nordic walking, classic skiing or skating skiing.

The formulas for calculating the pole lengths are:

- Skating skiing: user height * 0.9
- Classic skiing: user height * 0.85
- Nordic walking: user height * 0.68







Hints

- You can make a dropdown list in HTML like this:

```
<select id="sport">
    <option value="classic">Classic skiing</option>
    <option value="skating">Skating skiing</option>
    <option value="nordic">Nordic walking</option>
</select>
```

- The selected sport from the dropdown can be determined in JavaScript like this:

```
let sport = document.getElementById("sport").value;
```