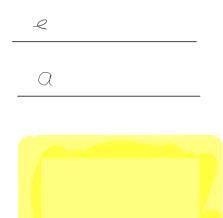
- 1. Email submission: the old code does check the text input. The new code uses javascript to check if the text box is empty. If any box is empty, then the email won't be sent, and the empty text box will be marked yellow.
 - a. old code snippet

b. old outcome



c. desired outcome





d. new code snippet

```
/* contact information input validation */
function validateForm(event) {
    let myForm = document.getElementById("contactForm");
    myForm.fname.style.backgroundColor = "";
    myForm.lname.style.backgroundColor = "";
    myForm.message.style.backgroundColor = "";
    if (myForm.fname.value === "") {
     myForm.fname.style.backgroundColor = "yellow";
      console.log("invalid input");
     event.preventDefault();
    if (myForm.lname.value === "") {
     myForm.lname.style.backgroundColor = "yellow";
     console.log("invalid input");
      event.preventDefault();
    if (myForm.message.value === "") {
     myForm.message.style.backgroundColor = "yellow";
      console.log("invalid input");
      event.preventDefault();
let myForm = document.getElementById("contactForm");
myForm.addEventListener("submit", validateForm);
```

e. new outcome

e

Your last name..

e

Submit

- 2. Code sample choice: there are two buttons, each linked to one of the code samples. The code sample will show if one of the buttons has been clicked.
 - a. old code snippet

```
<!-- Java section -->
<section id="java">
 <h2>1. Using Java to write program for calculating total Salary of all employees</h2>
   <!-- code discription -->
 <span>Context: </span> This program calculate the total salary the company. The inputs incl
        represents the number of employees in the company. The second part input is the working
       like this "T=45", "d=10", "t=40", "D=20". These information input in an arbitrary order
   t: Normal working hour 
   d: Wages per hour of normal work 
   >D: Extra wages per hour of extra work 
   T: Actual working hour 
 <br
 <!-- code sample-->
 <img src="../picture/java code sample.png" alt="java code sample part 1" width="50%" height="5</pre>
 <img src="../picture/java code sample 2.png" alt="java code sample part 2" width="50%" height=</pre>
   <br
   <!-- code discription -->
   <Calculate the total salary. If the normal working hour is less than actual working hour,</p>
       total salary will accumulate by (normal hour * normal wages) + (actual working hour - no
       working hour) * extra wage. If the employee did not work beyond normal hour, then the to
       accumulate by (normal hour * normal wage).
```

b. old outcome

About My Skills Code Sample Contact

Code Samples

1. Using Java to write program for calculating total Salary of all employees

Context:

This program calculate the total salary the company. The inputs include 2 parts. The first input is an integer number, which represents the number of employees in the company. The second part input is the working hour and payment data, which in form like this "T=45", "d=10", "t=40", "D=20". These information input in an arbitrary order.

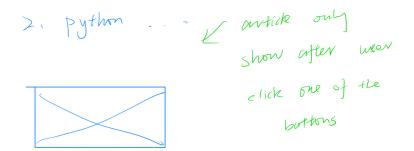
- t: Normal working hour
 d: Wages per hour of normal work
 D: Extra wages per hour of extra work
 T: Actual working hour
- import java.util.Scanner;
 public class Problem1 {

 /* main method, where the program starts running
 * @params: Strings [] : command line parameters
 * @return: none

c. desired outcome

Code Samples





d. new code snippet

```
Click to read the different code example
 <button id="button1" onclick="showArticle('article1')">Java</button>
 <button id="button2" onclick="showArticle('article2')">Python</button>
</div>
<!-- Java section -->
<div class="article" id="article1" hidden>
 <h2>1. Using Java to write program for calculating total Salary of all employees</h2>
   <!-- code discription -->
 <span>Context: </span> This program calculate the total salary the company. The inputs include 2 part
       represents the number of employees in the company. The second part input is the working hour and ;
       like this "T=45", "d=10", "t=40", "D=20". These information input in an arbitrary order.
   t: Normal working hour 
   d: Wages per hour of normal work 
   Li>D: Extra wages per hour of extra work 
   T: Actual working hour 
 <!-- code sample-->
 <img src="../picture/java code sample.png" alt="java code sample part 1" width="50%" height="50%">
 <img src="../picture/java code sample 2.png" alt="java code sample part 2" width="50%" height="50%">
```

e. new outcome

Click to read the different code example



Python

2. Using Python to write methods for simulating Canadian Elections.

Context:

These codes is a method that help for simulating Canadian Elections. In the simulated election, there are totally 4 parties.
This method clean up the input data. So the data can be used later in the program. The input data is in form of this: '0', '1', 'NDP; Liberal; Green; CPC', '1;4;2;3', 'NO; YES; NO; NO' (all in string). It need to be converte stored in corresponding types.

Click to read the different code example



Python



Yiyang Gao