Activity #6 – Functions

- 1. Write a JavaScript function called checkAge that takes an age as an argument and returns a message based on the following conditions:
 - If the age is less than 13, return "You are a child."
 - If the age is between 13 and 19 (inclusive), return "You are a teenager."
 - If the age is between 20 and 64 (inclusive), return "You are an adult."
 - If the age is 65 or older, return "You are a senior."
 - If the input is not a valid number, return "Please enter a valid age."

Source Code

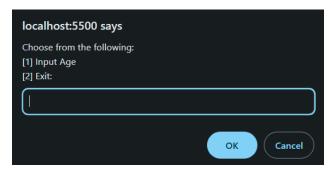
File:

https://drive.google.com/drive/folders/1i6lFxG1KuaVG4y9n3yUmJpWiobd4RN59?usp=sharing

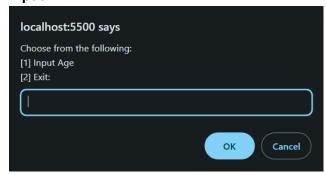
```
JS javascript.js X
Activity6 > Js javascript.js > ♥ checkAge
      function getUserInput(question) {
          let input = parseInt(prompt(question + ": "));
          return input;
      function checkAge(age) {
  if (age <= 0 || isNaN(age)) {</pre>
              return "Error: Please enter a valid age!";
         } else if (age < 13) {
          } else if (age >= 13 && age <= 19) {
              return "Result: You are a teenager";
           } else if (age >= 20 && age <= 64) {{
              return "Result: You are an adult";
          } else if (age >= 65) {
              return "Result: You are a senior";
      // Main Program Loop
      let input, result;
          input = getUserInput("Choose from the following: <math>n[1] Input Agen[2] Exit");
          if (input == 1) {
               let age = getUserInput("Input your age");
              result = checkAge(age);
               alert(result);
           } else if (input != 2) {
               alert("Error: Input out of range!");
      } while (input != 2);
      alert("Thank you for using the program.");
```

Output:

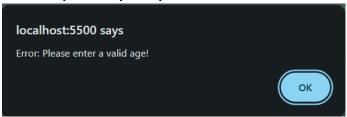
Main Program:



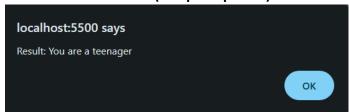
• Input 1:



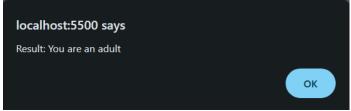
Invalid input or input equal to zero:



- Result: You are a child (sample input 13):



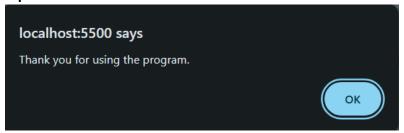
Result: You are an adult (sample input 20):



- Result: You are an senior (sample input 70):



• Input 2:



- 2. Write a JavaScript function called checkVotingEligibility that takes two parameters: age (a number) and isCitizen (a boolean). The function should return a message based on the following conditions:
 - If the age is not a valid number (e.g., negative number or non-numeric), return "Please enter a valid age."
 - If isCitizen is not a boolean, return "Please specify your citizenship status."
 - If the age is less than 18, return "You are not eligible to vote."
 - If the age is 18 or older and isCitizen is true, return "You are eligible to vote."
 - If the age is 18 or older and isCitizen is false, return "You must be a citizen to vote."

Source

File:

https://drive.google.com/drive/folders/1Bu2z4BrWVTmXV1J5jhziiT3P5fsidNhu?usp=sharing

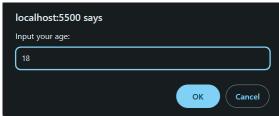
```
JS javascript.js X
Activity6 > checkVotingEligibility > JS javascript.js > ♥ checkVotingEligibility
      function getUserInput(question) {
          let input = prompt(question + ": ");
           return input;
      function checkVotingEligibility(age, isCitizen) {
          let result = "":
          if (age < 18) {
              result = "Status for Voting: You are not eligible to vote.";
         } else if (age >= 18 && isCitizen === true) {
         result = "Status for Voting: You are eligible to vote.";
} else if (age >= 18 && isCitizen === false) {
              result =
                         "Status for Voting: You are not eligible to vote.";
              result = "Status for Voting: You are not eligible to vote.";
           return result;
      let input, age, isCitizen, result;
          input = getUserInput("Choose from the following: \n[1] Input credentials\n[2] Exit");
              age = parseInt(getUserInput("Input your age"));
             if (age <= 0 || isNaN(age)) {
                  alert("Error: Please enter a valid age!");
              } else {
                   let citizenInput = getUserInput("Are you a citizen? Enter 'true' or 'false': ").toLowerCase();
                  if (citizenInput === 'true') {
                   } else if (citizenInput === 'false') {
                   } else {
                       alert("Error: Please enter 'true' or 'false' for citizenship status.");
                   result = checkVotingEligibility(age, isCitizen);
                   alert(result);
          } else if (parseInt(input) !== 2) {
              alert("Error: Input out of range!");
      } while (parseInt(input) !== 2);
      alert("Thank you for using the program.");
```

Output

Main Program:



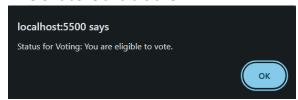
- Input: 1
 - Input age:



- Input true or false in citizenship:



If 18 or above and a citizen:



- If 18 or above, but no a citizen:



- Invalid age:



- Invalid citizen validation:



• Input: 2

