Day 21, Today's Topic
Default Function Arguments

DAILY JS

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    # Default Function Arguments


    If you come from another language, you must be
    aware of this feature called "Default Params"
    or "Default Function Arguments".

    The idea is very simple, in case there is no
    value or undefined passed in the functional
    argument, we already take care of this case
    in the function definition.

    The idea is to initialize parameters with some
    default values in case no value or undefined is passed.


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  ## Example 1

  **Write a function to displlay greeting message from a person whose
  details are taken in the arguments (Handle the edge case where one
  of the arg might be missing by displaying some generic values**

  Let's see how can we solve this without default params

  ```js
  // Without default params
  function greet (name, age, profession) {
      if (!name || !age || !profession)
          return `Greetings, I am <anonymous>
              I am 20 years old.
              I am a student`;
      else
          return `Greetings, I am ${name}
              I am ${age} years old.
              I am a ${profession}`;
  }
  console.log ("With all args: \n", greet ("John", 25, "SDE"));
  console.log ("Without all args: \n", greet (16, "Student"));
  ```


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  ## Solution to the above problem using default params

  Let's see how can we make the same function in one
  line using default params -

  ```js
    // Using default params
    function greet (name="anonymous",
                    age=20,
                    profession="stutdent") {

        return `Greetings, I am ${name}
            I am ${age} years old.
            I am a ${profession}`;
    }
    console.log ("With all args: \n", greet ("Kepler", 22, "Student"));
    console.log ("Without all args: \n", greet ());
  ```


  That's it for today, see you in DailyJS tomorrow :)

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  /**
   * Default Parameters
   * Write a function to displlay greeting message
   * from a person whose details are taken in the arguments
   * (Handle the edge case where one of the arg might be missing
   * by displaying some generic values
   */


  // Without default params
  function greet (name, age, profession) {
      if (!name || !age || !profession)
          return `Greetings, I am <anonymous>
              I am 20 years old.
              I am a student`;
      else
          return `Greetings, I am ${name}
              I am ${age} years old.
              I am a ${profession}`;
  }
  console.log ("With all args: \n", greet ("John", 25, "SDE"));
  console.log ("Without all args: \n", greet (16, "Student"));


  // Using default params
  function greetings (name="anonymous", age=20, profession="stutdent") {
      return `Greetings, I am ${name}
          I am ${age} years old.
          I am a ${profession}`;
  }
  console.log ("With all args: \n", greetings ("Kepler", 22, "Student"));
  console.log ("Without all args: \n", greetings ());


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Thank you!

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