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**Program Description:**

This program will validate a user's phone number, social security number, and zip code.

**Functions used in the Program (list in order as they are called):**

1. **Function Name:** validate\_info(user\_info)

**Description:** It takes the user\_info and validates that it’s in the correct pattern using re.fullmatch.

**Parameters:** user\_info, a dictionary containing keys for phone, social security, and zip numbers whose values are determined by user input.

**Variables:** none

**Logical Steps:**

1. Create set patterns for phone, ssn, and zip
2. Compare the users input to the set patterns using re.fullmatch
3. For each compared input, return true or false to main() function

**Returns:** returns phone\_valid, ssn\_valid, and zip\_valid, with arguments of either True or False to the main() function.

2. **Function Name:** main()

**Description:** This function takes the users input for their phone number, ssn number, and zip number. This function will then display to the user if their phone, ssn, and zip are in a valid format.

**Parameters:** None

**Variables:**

1. user\_info, a dictionary containing keys for phone, social security, and zip numbers whose values are determined by user input.
2. phone\_valid, will be True if valid, and False if invalid
3. ssn\_valid, will be True if valid, and False if invalid
4. zip\_valid, will be True if valid, and False if invalid

**Logical Steps:**

1. Create a dictionary
   1. Get the user’s input for phone, ssn, and zip numbers
2. Pass the dictionary to validate\_info to validate if input of phone, ssn, and zip numbers are valid or invalid
3. Display to the user if their phone, ssn, and zip are valid or invalid

**Returns:** None

**Logical Steps:**

1. Import regular expressions
2. Call main() function to gather user input for phone, social security, and zip numbers
3. Pass the users input into a function named validate\_info() to validate their input, then return results to main()
4. Display to the user if the input for their phone, social security, and zip numbers are valid or invalid.

**Link to your repository:** <https://github.com/ficklative/COP2373/tree/master>

**Output Screenshot:**

**Invalid inputs**

A computer screen with white text and numbers

AI-generated content may be incorrect.

**Valid inputs**

**A screen shot of a computer

AI-generated content may be incorrect.**