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Program Description:

The program requests that the user enter their phone number, social security number, and zip code using regular expressions. The main purpose of the program is to validate information based on specific formats.

Functions used in the Program:

Function Name: validate\_phone\_number

Description: Validates the phone number as long as it meets the format specified.

Parameters: phone\_number: The number introduced by the user.

Variables: pattern: The regex pattern that validates, depending on the format

Logical Steps: Compile the regex pattern accepting the two formats. Uses match() to check the pattern. Transforms the result into a Boolean.

Returns: True if the number matches the pattern, false if it does not match

2. Function Name: validate\_ssn

Description: Validates the social security number as long as it meets the format specified.

Parameters: ssn: social security number introduced by the user.

Variables: pattern: The regex pattern that validates, depending on the format

Logical Steps: Compile the regex pattern for the social security number. Uses match() to check the pattern. Transforms the result into a Boolean.

Returns: True if the number matches the pattern, false if it does not match

3. Function Name: validate\_zip\_code

Description: Validates the zip code as long as it meets the format specified.

Parameters: zip\_code: Zip code number entered by the user.

Variables: pattern: The regex pattern that validates, depending on the format.

Logical Steps: Compile the regex pattern for the ZIP code number. Uses match() to check the pattern. Transforms the result into a Boolean.

Returns: True if the number matches the pattern, false if it does not match

Logical Steps:

1. Starts with the main()
2. In the main() the information is gathered.
3. validate\_phone\_number() is introduced validating the number introduced.
4. validate\_ssn() is introduced along the input.
5. validate\_zip\_code() is introduced along the input too.
6. The results are printed giving the results of whether they are validated or not

Link to your repository: https://github.com/TheSantiagoXVII/COP2373.git

Output Screenshot:

A close-up of a number

AI-generated content may be incorrect.

