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Program description:

The program prompts the user to enter their phone number, ssn, and zip code and uses patterns to determine if their information is valid.

1. Validate\_phone(phone\_number):

Description:

This function creates a pattern for the phone number format and returns the the full match to the pattern and phone number.

Parameters: (phone\_number)

Used to hold the phone number pattern and is used as a parameter for the phone number input

Variables: none

Logical steps:

1. Create a pattern for the user to follow that allows spaces and dashes
2. Create a full match to the phone number and the pattern

Returns:

This returns the fully matched phone number pattern

1. Validate\_ssn(ssn):

Description:

This function creates a pattern for the social security number format and creates a full match to the pattern

Parameters: (ssn)

Used to hold the ss number and the pattern for the input

Variables: none

Logical steps:

1. Create a pattern for the user to follow that allows spaces and dashes
2. Create a full match to the social security number and the pattern

Returns:

Returns the full match between the ssn and the pattern

1. Validate\_zip(zip\_code):

Description:

This function creates a pattern for the user to enter their zip code and creates a match to the pattern

Parameters: (zip\_code)

Used to hold the zip code and the pattern for the input

Variables: none

Logical steps:

1. Create a pattern for the user to follow
2. Create a full match to the zip code and the pattern

Returns:

Returns the full match between the zip code and the pattern

1. Main():

Description:

The function promts the user for their input and sorts the phone number, ssn, and zip code to determine if the users input is valid or invalid and prints the results.

Parameters: none

Variables:

Input for phone number, ssn, and zip code

Logical steps:

1. Prompt the user for their information
2. Create if else statements that sort the valid and invalid responses based on the pattern
3. Print the results

Link to repository: <https://github.com/AbriannaJohnson/COP2373>

A screen shot of a computer

AI-generated content may be incorrect.