**Name:** Renber Hernandez-Larios

**Date Created:** 03-15-2025

**Program Description:** This program validates phone number, ssn, and zip codes

**Functions used in program:**

1.**Function Name:** validate\_phone\_number(phone number)

**Description:** this function determines whether the phone number entered is valid or invalid

**Parameters**: None

**Variables:**

1.pattern

**Logical steps:**

1.uses the phone number variable which is where the user inputs their phone number

2.Using the findall method to whether inputted info fits characteristics

3.returns whether it is valid or in valid

**Returns:** true or false to determine whether it is valid or invalid

2.**Function Name:** validate\_ssn(ssn)

**Description:** this function determines whether the social security number entered is valid or invalid

**Parameters**: None

**Variables:**

1.pattern

**Logical steps:**

1.uses the ssn variable which is where the user inputs their ssn

2.Using the findall method to whether inputted info fits characteristics

3.returns whether it is valid or in valid

**Returns:** true or false to determine whether it is valid or invalid

**3.Function Name:** validate\_zip\_code(zip\_code)

**Description:** this function determines whether the zip code entered is valid or invalid

**Parameters**: None

**Variables:**

1.pattern

**Logical steps:**

1.uses the zip code variable which is where the user inputs their zip code

2.Using the findall method to whether inputted info fits characteristics

3.returns whether it is valid or in valid

**Returns:** true or false to determine whether it is valid or invalid

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

**Description:** this function makes the user enter phone number, social security number, and zip code, and display whether they are valid or invalid

**Parameters**: None

**Variables:**

1.phone\_number

2.ssn

3.zip\_code

**Logical steps:**

1.user enters phone number, ssn, and zip code

2.uses entered info to determine whether it is true or false

3.True= valid

3.False= invalid

4.display whether each info entered is valid or invalid

**Returns:** None

**Link to repository:** <https://github.com/rherna26/Programming_Exercise_6>

**Outout Screenshot:**

