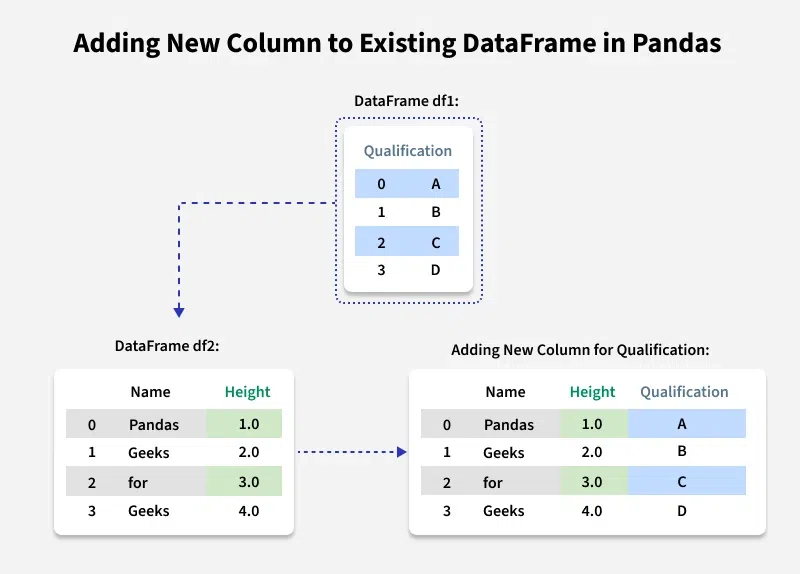
How to create new columns existing dataframe

Adding a new column to a DataFrame in Pandas is a simple and common operation when working with data in Python. You can quickly create new columns by directly assigning values to them. 

## By Declaring a New List as column

Let's first create a dataframe

import pandas as pd

# Define a dictionary containing Students data

data = {'Name': ['Pandas', 'Geeks', 'for', 'Geeks'],

'Height': [1, 2, 3, 4],

'Qualification': ['A', 'B', 'C', 'D']}

# Convert the dictionary into DataFrame

df = pd.DataFrame(data)

We can simply add new column to the DataFrame with the specified list values. Note that the length of your list should match the length of index column, else it will show an error.

# Declare a list that is to be converted into a column

address = ['NewYork', 'Chicago', 'Boston', 'Miami']

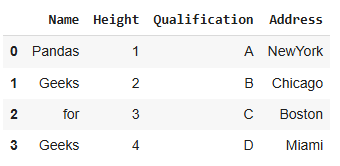
# Using 'Address' as the column name

# and equating it to the list

df['Address'] = address

display(df)

Output



Adding New Column to Existing DataFrame in Pandas