

```

import pandas as pd
import Levenshtein

df = pd.read_excel('Daten.xlsx')
df = df.sort_values(by=['Name'])
df = df.reset_index(drop=True)

dfs = df.shift() # Shift df by one row
dfs = dfs.rename(columns={'Name': 'Nameshifted'})

df_combined = pd.concat([df,dfs],axis=1) # combine original and shifted df
df_combined = df_combined.fillna('') # remove NaNs

for index, row in df_combined.iterrows():
    df_combined.loc[index,'Ratio'] = (Levenshtein.ratio(row['Name'], row['Nameshifted']))
    df_combined.loc[index,'Distance'] = (Levenshtein.distance(row['Name'], row['Nameshifted']))

print(df_combined)

```

Listing 1: Hallo Listings

```

import os
import paramiko

# Replace these variables with your specific values
host = '192.168.0.22'
port = 22
username = '<user>'
private_key_path = 'keyfile'
remote_directory_path = '/home/uwe/uploadtest'
local_directory_path = 'E:/uploadtest'

# Establish an SSH transport session
private_key = paramiko.RSAKey(filename=private_key_path)
transport = paramiko.Transport((host, port))
transport.connect(username=username, pkey=private_key)

# Create an SFTP client
sftp = paramiko.SFTPClient.from_transport(transport)

try:
    # Iterate through local files in the specified folder
    for local_file in os.listdir(local_directory_path):
        local_file_path = os.path.join(local_directory_path, local_file)

        # Check if the file is a CSV file
        if os.path.isfile(local_file_path): # and local_file.lower().endswith('.csv'):
            remote_file_path = os.path.join(remote_directory_path, local_file)

            # Upload the CSV file
            sftp.put(local_file_path, remote_file_path)
            print(f"Uploaded: {local_file} to {remote_file_path}")

finally:
    # Close the SFTP session and SSH transport
    sftp.close()
    transport.close()

```

Listing 2: Paramiko Code zum Upload von Dateien auf einen SFTP-Server

Siehe Zeile 5 in Listing 1

```

host = '192.168.0.22'
port = 22
username = '<user>'

```

```
private_key_path = 'keyfile'
remote_directory_path = '/home/uwe/uploadtest'
local_directory_path = 'E:/uploadtest'

# Establish an SSH transport session
private_key = paramiko.RSAKey(filename=private_key_path)
transport = paramiko.Transport((host, port))
```

Listing 3: Paramiko Code zum Upload von Dateien auf einen SFTP-Server