**Source Code:**

import os

import shutil

from pathlib import Path

def sync\_files(source\_dir, dest\_dir):

"""

Synchronize files from source\_dir to dest\_dir.

Newer files overwrite older ones. Does not delete files from dest\_dir.

"""

source\_dir = Path(source\_dir)

dest\_dir = Path(dest\_dir)

if not source\_dir.is\_dir():

print(f"Source directory {source\_dir} does not exist or is not a directory.")

return

dest\_dir.mkdir(parents=True, exist\_ok=True)

for src\_path in source\_dir.rglob('\*'):

if src\_path.is\_file():

relative\_path = src\_path.relative\_to(source\_dir)

dest\_path = dest\_dir.joinpath(relative\_path)

if dest\_path.exists():

if src\_path.stat().st\_mtime > dest\_path.stat().st\_mtime:

shutil.copy2(src\_path, dest\_path)

print(f"Updated: {dest\_path}")

else:

dest\_path.parent.mkdir(parents=True, exist\_ok=True)

shutil.copy2(src\_path, dest\_path)

print(f"Copied: {dest\_path}")

def main():

source\_directory = input("Enter the source directory path: ")

destination\_directory = input("Enter the destination directory path: ")

sync\_files(source\_directory, destination\_directory)

print("Synchronization complete.")

if \_name\_ == "\_main\_":

main()