import os

def get\_current\_directory():

    return os.getcwd()

def change\_directory(target\_directory):

    try:

        os.chdir(target\_directory)

        if get\_current\_directory != target\_directory:

            raise Exception

        print("Direktori aktif berubah menjadi", target\_directory)

    except Exception as e:

        print("Gagal mengubah direktori aktif")

        print("Error: ", e)

def is\_path\_exist(path):

    return os.path.exists(path)

def is\_dir(path):

    return os.path.isdir(path)

def is\_file(path):

    return os.path.isfile(path)

def create\_new\_directory(new\_directory):

    try:

        os.mkdir(new\_directory)

        if is\_path\_exist(new\_directory):

            print("Direktori", new\_directory, "telah dibuat.")

        else:

            print("Direktori", new\_directory, "gagal dibuat.")

    except Exception as e:

        print("Gagal membuat direktori", new\_directory)

        print("Direktori", new\_directory, "sudah ada.")

        print("Error: ", e)

def get\_directories():

    return os.listdir()

def get\_directory\_content():

    print("Isi direktori saat ini:")

    for item in get\_directories():

        print(item)

def delete\_directory(target\_directory):

    try:

        os.rmdir(target\_directory)

        if is\_path\_exist(target\_directory):

            raise Exception

        print("Direktori", target\_directory, "telah dihapus.")

    except Exception as e:

        print("Direktori", target\_directory, "gagal dihapus.")

        print("Error: ", e)

def get\_file\_size(target\_file):

    return os.path.getsize(target\_file)

def join\_path(path1, path2):

*# menggabungkan path menjadi satu*

    return os.path.join(path1, path2)

def create\_new\_file(new\_file):

    try:

        file = open(new\_file, 'w')

        if is\_path\_exist(new\_file):

            file.write("Contoh isi file.")

            print("File", new\_file, "telah dibuat.")

        else:

            print("File", new\_file, "gagal dibuat.")

        file.close()

    except Exception as e:

        print("Gagal membuat file", new\_file)

        print("Error: ", e)

def overwrite\_file(target\_file, content):

    try:

        file = open(target\_file, 'w')

        file.write(content)

        file.close()

    except Exception as e:

        print("Gagal menulis ke file", target\_file)

        print("Error: ", e)

def append\_to\_file(target\_file, content):

    try:

        file = open(target\_file, 'a')

        file.write(content)

        file.close()

    except Exception as e:

        print("Error: ", e)

def get\_file\_content(target\_file):

    try:

        file = open(target\_file, 'r')

        if is\_path\_exist(target\_file):

            print("Isi file:")

            print(file.read())

        file.close()

    except Exception as e:

        print("Error: ", e)

def delete\_file(target\_file):

    try:

        os.remove(target\_file)

        if is\_path\_exist(target\_file):

            print("File", target\_file, "gagal dihapus.")

        else:

            print("File", target\_file, "telah dihapus.")

    except Exception as e:

        print("Gagal menghapus file", target\_file)

        print("Error: ", e)

def rename\_file(target\_file, new\_name):

    try:

        os.rename(target\_file, new\_name)

        if is\_path\_exist(new\_name):

            print("File", target\_file, "telah diganti namanya menjadi", new\_name)

        else:

            print("File", target\_file, "gagal diganti namanya.")

    except Exception as e:

        print("Gagal mengganti nama file", target\_file)

        print("Error: ", e)

def clear\_screen():

*# nt = windows, else = linux/unix*

    os.system('cls' if os.name == 'nt' else 'clear')

def system\_command(command):

    os.system(command)

def menu():

    clear\_screen()

    print("Selamat datang.")

    print("Silakan pilih menu yang tersedia:")

    print("1. Lihat direktori saat ini")

    print("2. Ubah direktori aktif")

    print("3. Lihat isi direktori saat ini")

    print("4. Hapus direktori")

    print("5. Buat direktori")

    print("6. Lihat isi file")

    print("7. Hapus file")

    print("8. Buat file")

    print("9. Ganti nama file")

    print("10. Tambahkan konten ke file")

    print("11. Timpa konten ke file")

    print("12. Tampilkan ukuran file")

    print("13. Jalankan perintah di command prompt")

    print("14. Keluar")

    input\_user = input("Masukkan pilihan menu: ")

    return input\_user

*# main function*

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

    while True:

        chosen = menu()

        if chosen == "1":

            clear\_screen()

            print("=== Melihat Direkori Saat Ini ===\n")

            print(get\_current\_directory())

        elif chosen == "2":

            clear\_screen()

            print("=== Mengubah Direktori Aktif ===\n")

            print("Nama direktori harus lengkap")

            print("Contoh:", get\_current\_directory())

            target\_directory = input("Masukkan nama direktori: ")

            change\_directory(target\_directory)

        elif chosen == "3":

            clear\_screen()

            print("=== Melihat Isi Direktori Saat Ini ===\n")

            get\_directory\_content()

        elif chosen == "4":

            clear\_screen()

            print("=== Menghapus Direktori ===\n")

            target\_directory = input("Masukkan nama direktori: ")

            delete\_directory(target\_directory)

        elif chosen == "5":

            clear\_screen()

            print("=== Membuat Direktori ===\n")

            new\_directory = input("Masukkan nama direktori: ")

            create\_new\_directory(new\_directory)

        elif chosen == "6":

            clear\_screen()

            print("=== Melihat Isi File ===\n")

            target\_file = input("Masukkan nama file: ")

            get\_file\_content(target\_file)

        elif chosen == "7":

            clear\_screen()

            print("=== Menghapus File ===\n")

            target\_file = input("Masukkan nama file: ")

            delete\_file(target\_file)

        elif chosen == "8":

            clear\_screen()

            print("=== Membuat File ===\n")

            new\_file = input("Masukkan nama file: ")

            create\_new\_file(new\_file)

        elif chosen == "9":

            clear\_screen()

            print("=== Mengganti Nama File ===\n")

            target\_file = input("Masukkan nama file: ")

            new\_name = input("Masukkan nama baru: ")

            rename\_file(target\_file, new\_name)

        elif chosen == "10":

            clear\_screen()

            print("=== Menambahkan Konten ke File ===")

            target\_file = input("Masukkan nama file: ")

            konten = input("Tulis Konten:\n")

            append\_to\_file(target\_file, konten)

        elif chosen == "11":

            clear\_screen()

            print("=== Menimpa Konten ke File ===")

            target\_file = input("Masukkan nama file: ")

            konten = input("Tulis Konten:\n")

            overwrite\_file(target\_file, konten)

        elif chosen == "12":

            clear\_screen()

            print("=== Menampilkan Ukuran File ===\n")

            target\_file = input("Masukkan nama file: ")

            print(get\_file\_size(target\_file), "bytes")

        elif chosen == "13":

            clear\_screen()

            print("=== Menjalankan Perintah di Command Prompt ===\n")

            command = input("Masukkan perintah: ")

            system\_command(command)

        elif chosen == "14":

            clear\_screen()

            print("=== Keluar ===\n")

            print("Terima kasih telah menggunakan program ini.")

            break

        else:

            clear\_screen()

            print("Menu tidak tersedia.")

        input("Tekan enter untuk melanjutkan...")

Screenshot Output:































