import os

import subprocess

# Function to run a Bash script and handle any errors

def run\_bash\_script(script\_name):

try:

subprocess.run(['bash', script\_name], check=True)

except subprocess.CalledProcessError as e:

print(f"Error running {script\_name}: {e}")

except FileNotFoundError:

print(f"Script {script\_name} not found. Please ensure it is in the correct location.")

# Main menu function to display options and handle user input

def main\_menu():

while True:

print("\n=== System Administration Menu ===")

print("1. User and Group Management")

print("2. File Management")

print("3. Resource Monitoring")

print("4. Process Management")

print("5. Backup and Recovery")

print("6. Performance Reporting")

print("7. Exit")

try:

option = int(input("Enter the number of your choice: "))

if option == 1:

run\_bash\_script('user\_group\_management.sh')

elif option == 2:

run\_bash\_script('file\_management.sh')

elif option == 3:

run\_bash\_script('resource\_monitoring.sh')

elif option == 4:

run\_bash\_script('process\_management.sh')

elif option == 5:

run\_bash\_script('backup\_recovery.sh')

elif option == 6:

run\_bash\_script('performance\_reporting.sh')

elif option == 7:

print("Exiting the program. Goodbye!")

break

else:

print("Invalid option. Please enter a number between 1 and 7.")

except ValueError:

print("Invalid input. Please enter a valid number.")

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

main\_menu()