```
# Sample Python code for automating data backup and
recovery
import os
import shutil
from datetime import datetime

# Define source and backup locations
source_directory = "/path/to/source/data"
backup_directory = "/path/to/backup/location"

# Function to perform data backup
def backup_data():
    timestamp =
datetime.now().strftime("%Y%m%d%H%M%S")
    backup_folder = os.path.join(backup_directory,
f"backup_{timestamp}")

    try:
        shutil.copytree(source_directory, backup_folder)
        print(f"Data successfully backed up to
{backup_folder}")
    except Exception as e:
        print(f"Backup failed: {str(e)}")
```

```
# Function to perform data recovery
def recover_data(backup_timestamp):
    source_backup = os.path.join(backup_directory,
f"backup_{backup_timestamp}")

    try:
        shutil.rmtree(source_directory)
        shutil.copytree(source_backup, source_directory)
        print(f"Data successfully recovered from
{source_backup}")
    except Exception as e:
        print(f"Recovery failed: {str(e)}")

# Example usage
backup_data()  # Perform data backup
# Simulate a disaster by deleting or corrupting the source
data
# Recovery process:
# recover_data("20231031084525")  # Replace with the
timestamp of the backup you want to recover
```