def problem\_understanding():

print("Step 1: Understanding the problem...")

def data\_preprocessing():

print("Step 2: Preprocessing and cleaning the data...")

def exploratory\_data\_analysis():

print("Step 3: Performing exploratory data analysis (EDA)...")

def feature\_selection\_engineering():

print("Step 4: Selecting and engineering features...")

def model\_segmentation():

print("Step 5: Segmenting data if required (e.g., clustering)...")

def model\_tuning():

print("Step 6: Tuning the model (hyperparameter tuning)...")

def model\_evaluation():

print("Step 7: Evaluating the model's performance...")

def model\_deployment():

print("Step 8: Deploying the final model...")

def data\_science\_project\_workflow():

problem\_understanding()

data\_preprocessing()

exploratory\_data\_analysis()

feature\_selection\_engineering()

model\_segmentation()

model\_tuning()

model\_evaluation()

model\_deployment()

# Run the workflow

data\_science\_project\_workflow()