**TO SUPPLY LEFTOVER FOOD TO POOR  
CODING:**

class Donor:

def \_\_init\_\_(self, name, food, quantity, location):

self.name = name

self.food = food

self.quantity = quantity

self.location = location

class Volunteer:

def \_\_init\_\_(self, name, contact):

self.name = name

self.contact = contact

class FoodDistributionSystem:

def \_\_init\_\_(self):

self.donors = []

self.volunteers = []

def add\_donor(self, name, food, quantity, location):

donor = Donor(name, food, quantity, location)

self.donors.append(donor)

def add\_volunteer(self, name, contact):

volunteer = Volunteer(name, contact)

self.volunteers.append(volunteer)

def show\_donations(self):

if not self.donors:

print("No food donations available.")

else:

print("\nAvailable Food Donations:")

for i, d in enumerate(self.donors, 1):

print(f"{i}. {d.food} ({d.quantity}) from {d.name}, Location: {d.location}")

def assign\_volunteer(self, donation\_index):

if donation\_index < 1 or donation\_index > len(self.donors):

print("Invalid donation number.")

return

if not self.volunteers:

print("No volunteers available.")

return

donor = self.donors[donation\_index - 1]

volunteer = self.volunteers[0] # pick first volunteer for simplicity

print(f"\nVolunteer {volunteer.name} (Contact: {volunteer.contact}) "

f"is assigned to collect {donor.food} ({donor.quantity}) "

f"from {donor.name} at {donor.location} and distribute to the poor.")

# After assigning, remove donor from list

self.donors.pop(donation\_index - 1)

# ----------------- MAIN PROGRAM -----------------

system = FoodDistributionSystem()

# Add some donors

system.add\_donor("Hotel A", "Rice", "20 plates", "Main Street")

system.add\_donor("Cafeteria B", "Bread", "15 packets", "Park Avenue")

# Add some volunteers

system.add\_volunteer("Ravi", "9876543210")

system.add\_volunteer("Meena", "9123456789")

# Show donations

system.show\_donations()

# Assign volunteer to first donation

system.assign\_volunteer(1)

# Show donations after assignment

system.show\_donations()

**OUTPUT:**

Available Food Donations:

1. Rice (20 plates) from Hotel A, Location: Main Street

2. Bread (15 packets) from Cafeteria B, Location: Park Avenue

Volunteer Ravi (Contact: 9876543210) is assigned to collect Rice (20 plates)

from Hotel A at Main Street and distribute to the poor.

Available Food Donations:

1. Bread (15 packets) from Cafeteria B, Location: Park Avenue