**Runner():**

public static void main(String[] args){

Scanner input = new Scanner(System.in);

// Essentials

String person\_name = "Abdullah";

String[] food\_array = {"Apple", "Banana", "Mango", "Grewia"};

double[] price\_array = {100, 50, 120, 160};

int[] quantity\_array = {5, 12, 7, 5};

tuck\_shop t1 = new tuck\_shop(person\_name, food\_array, price\_array, quantity\_array);

// Default Displaying

t1.display();

// Add Item

System.out.println("Added item essentials are");

t1.add\_Items("Oreo", 300, 4);

t1.display();

// Buy Item

t1.buy("Apple", 5);

t1.display();

// Minimum quantity item

System.out.println(t1.Item\_With\_Minimum\_Quantity() + " has minimum quantity");

// Maximum priced item

System.out.println(t1.Item\_With\_Minimum\_Price() + " has minimum price"); }

**Tuck Shop:**

class tuck\_shop{

String owner;

String[] food\_items = new String[100];

double[] price = new double[100];

int[] quantity = new int[100];

// default constructor

public tuck\_shop(){

}

// four argument constructor

public tuck\_shop(String name, String[] string\_array, double[] double\_array, int[] int\_array){

this.owner = name;

// Check Array for Food Items

if(string\_array.length <= 100){

for(int i = 0; i < string\_array.length; i++){

food\_items[i] = string\_array[i];

}

}

else{

for(int i = 0; i < food\_items.length; i++){

food\_items[i] = string\_array[i];

}

}

// Check Array for Price

if(double\_array.length <= 100){

for(int i = 0; i < double\_array.length; i++){

price[i] = double\_array[i];

}

}

else{

for(int i = 0; i < price.length; i++){

price[i] = double\_array[i];

}

}

// Check Array for Quantity

if(double\_array.length <= 100){

for(int i = 0; i < int\_array.length; i++){

quantity[i] = int\_array[i];

}

}

else{

for(int i = 0; i < quantity.length; i++){

quantity[i] = int\_array[i];

}

}

}

void add\_Items(String food\_item, double price\_items, int quantity\_items){

for(int i = 0; i < food\_items.length; i++){

if(food\_items[i] == null){

food\_items[i] = food\_item;

price[i] = price\_items;

quantity[i] = quantity\_items;

break;

}

}

}

void buy(String food\_item, int quantity\_items){

for(int i = 0; i < food\_items.length; i++){

if(food\_items[i].equals(food\_item)){

food\_items[i] = null;

price[i] = 0.0;

quantity[i] = 0;

break;

}

}

}

int total\_price(){

int total\_price = 0;

for(int i = 0; i < price.length; i++){

if(price[i] != 0.0){

total\_price += price[i];

}

}

return total\_price;

}

String Item\_With\_Minimum\_Quantity(){

int min = Integer.MAX\_VALUE;

String item\_name = "";

for(int i = 0; i < quantity.length; i++){

if (food\_items[i] != null) {

if(quantity[i] < min){

min = quantity[i];

item\_name = food\_items[i];

}

}

}

return item\_name;

}

String Item\_With\_Minimum\_Price(){

double min = Integer.MAX\_VALUE;

String item\_name = "";

for(int i = 0; i < quantity.length; i++){

if (food\_items[i] != null) {

if(price[i] < min){

min = price[i];

item\_name = food\_items[i];

}

}

}

return item\_name;

}

void display(){

System.out.println("----------------------------------\nThe name of the owner is: " + owner);

System.out.println();

System.out.println("Food Items\tQuantity\tPrice");

for(int i = 0; i < food\_items.length; i++){

if(food\_items[i] == null){

continue;

}

System.out.println(food\_items[i] + "\t\t" + quantity[i] + "\t\t" + price[i]);

}

System.out.println();

}

}