# CSA-0963 JAVA PROGRAMING FOR SYSTEM INTERFACES SECTION 4: CREATING AN INVENTORY PROJECT.

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## Project-1.

## PROGRAM:

public class Product {

```
// Instance field declarations
private int itemNumber;
private String name;
private int numberOfUnitsInStock;
private double price;
public Product() {
  this.itemNumber = 0;
  this.name = "";
  this.numberOfUnitsInStock = 0;
  this.price = 0.0;
}
public Product(int number, String name, int qty, double price) {
  this.itemNumber = number;
```

```
this.name = name;
 this.numberOfUnitsInStock = qty;
 this.price = price;
}
// Getter for itemNumber
// Returns the item number of the product
public int getItemNumber() {
 return itemNumber;
}
// Setter for itemNumber
// Sets the item number of the product
public void setItemNumber(int itemNumber) {
 this.itemNumber = itemNumber;
}
public String getName() {
 return name;
}
// Setter for name
// Sets the name of the product
public void setName(String name) {
 this.name = name;
}
```

```
// Returns the quantity of the product in stock
public int getNumberOfUnitsInStock() {
  return numberOfUnitsInStock;
}
// Setter for numberOfUnitsInStock
// Sets the quantity of the product in stock
public void setNumberOfUnitsInStock(int numberOfUnitsInStock) {
  this.numberOfUnitsInStock = numberOfUnitsInStock;
}
// Getter for price
// Returns the price of the product
public double getPrice() {
  return price;
}
// Setter for price
// Sets the price of the product
public void setPrice(double price) {
 this.price = price;
}
// Overrides the toString method to provide product details
@Override
public String toString() {
```

```
return "Item Number: " + itemNumber +
       "\nName: " + name +
       "\nQuantity in stock: " + numberOfUnitsInStock +
       "\nPrice: " + price;
 }
}
// ProductTester.java
public class ProductTester {
  public static void main(String[] args) {
   // Creating Product objects
   Product product1 = new Product(); // Default constructor
   Product product2 = new Product(); // Default constructor
    Product product3 = new Product(1, "Wireless Mouse", 150, 25.99);
    Product product4 = new Product(2, "USB Flash Drive (64GB)", 75, 12.49);
    Product product5 = new Product(3, "Notebook (A5, 100 pages)", 200, 4.99);
    Product product6 = new Product(4, "Headphones (Over-ear, Noise-canceling)", 50,
89.99);
   // Displaying details of each product to the console
    System.out.println(product1.toString());
    System.out.println();
    System.out.println(product2.toString());
   System.out.println();
   System.out.println(product3.toString());
    System.out.println();
    System.out.println(product4.toString());
    System.out.println();
    System.out.println(product5.toString());
```

```
System.out.println();
System.out.println(product6.toString());
}
```

## Output:

```
Item Number: 0
Name:
Quantity in stock: 0
Price: 0.0
Item Number: 1
Name: Wireless Mouse
Quantity in stock: 150
Price: 25.99
Item Number: 2
Name: USB Flash Drive (64GB)
Quantity in stock: 75
Price: 12.49
Item Number: 3
Name: Notebook (A5, 100 pages)
Quantity in stock: 200
Price: 4.99
Item Number: 4
Name: Headphones (Over-ear, Noise-canceling)
Quantity in stock: 50
Price: 89.99
=== Code Execution Successful ===
```

### Java Fundamentals

Section 5: Creating an Inventory Project PROGRAM:

```
public class Product {
```

```
private int itemNumber;
private String name;
private int qty;
private double price;
private boolean active = true; // Default value is true
// Constructor with parameters
public Product(int itemNumber, String name, int qty, double price) {
  this.itemNumber = itemNumber;
  this.name = name;
  this.qty = qty;
  this.price = price;
}
// Getter and setter for active
public boolean isActive() {
  return active;
}
public void setActive(boolean active) {
  this.active = active;
}
// Calculate inventory value
public double getInventoryValue() {
  return price * qty;
}
```

```
// String representation of the Product
  @Override
  public String toString() {
    return "Item Number: " + itemNumber + "\n" +
       "Name: " + name + "\n" +
       "Quantity in stock: " + qty + "\n" +
       "Price: " + price + "\n" +
       "Stock Value: " + getInventoryValue() + "\n" +
       "Product Status: " + (active? "Active (true)": "Discontinued (false)");
 }
}
import java.util.Scanner;
public class ProductTester {
  public static void main(String[] args) {
    Scanner in = new Scanner(System.in);
   // Temporary variables for product attributes
   int tempNumber;
    String tempName;
    int tempQty;
    double tempPrice;
   // Input for p1
    System.out.println("Enter Item Number: ");
    tempNumber = in.nextInt();
   // Clear the input buffer
```

```
in.nextLine();
System.out.println("Enter Name: ");
tempName = in.nextLine();
System.out.println("Enter Quantity: ");
tempQty = in.nextInt();
System.out.println("Enter Price: ");
tempPrice = in.nextDouble();
// Create p1
Product p1 = new Product(tempNumber, tempName, tempQty, tempPrice);
System.out.println(p1); // Display p1 information
// Clear the input buffer before getting values for p2
in.nextLine();
// Input for p2
System.out.println("Enter Item Number for second product: ");
tempNumber = in.nextInt();
// Clear the input buffer
in.nextLine();
System.out.println("Enter Name for second product: ");
tempName = in.nextLine();
```

```
System.out.println("Enter Quantity for second product: ");
tempQty = in.nextInt();
System.out.println("Enter Price for second product: ");
tempPrice = in.nextDouble();
// Create p2
Product p2 = new Product(tempNumber, tempName, tempQty, tempPrice);
System.out.println(p2); // Display p2 information
// Set active status for p2 to false
p2.setActive(false);
System.out.println(p2); // Display p2 with updated active status
// Close Scanner
in.close();
```

```
Enter Item Number:
Enter Name:
B00K
Enter Quantity:
Enter Price:
30
Item Number: 1
Name: BOOK
Quantity in stock: 2
Price: 30.0
Enter Item Number for second product:
Enter Name for second product:
PEN
Enter Quantity for second product:
10
Enter Price for second product:
Item Number: 2
Name: PEN
Quantity in stock: 10
Price: 5.0
=== Code Execution Successful ===
PROJECT-3:
Java Fundamentals
Section 6: Creating an Inventory Project
PROGRAM:
import java.util.Scanner;
import java.util.InputMismatchException;
```

class Product {

private String name;

```
private int quantity;
 private double price;
 private int itemNumber;
 // Constructor
 public Product(String name, int quantity, double price, int itemNumber) {
   this.name = name;
   this.quantity = quantity;
   this.price = price;
   this.itemNumber = itemNumber;
 }
 @Override
 public String toString() {
   return "Product Name: " + name + ", Quantity: " + quantity +
       ", Price: $" + price + ", Item Number: " + itemNumber;
 }
public class ProductTester {
 public static void main(String[] args) {
   Scanner scanner = new Scanner(System.in);
   int maxSize = -1; // Initializing with a value to force a correct input later
   // Prompt for the number of products
   System.out.println("Enter the number of products you would like to add");
   System.out.println("Enter 0 (zero) if you do not wish to add products");
```

```
// Input loop
do{
 try {
    maxSize = scanner.nextInt();
    if (maxSize < 0) {
     System.out.println("Incorrect Value entered");
   }
 } catch (InputMismatchException e) {
    System.out.println("Incorrect data type entered!");
    scanner.next(); // Clear the input buffer
   // Continue the loop after clearing the buffer
 }
} while (maxSize < 0); // Exit on 0 or greater
// Handle the case of no products
if (maxSize == 0) {
  System.out.println("No products required!");
} else { // Handle positive maxSize
 // Create an array to store Product objects
  Product[] products = new Product[maxSize];
 // Populate the array with product details
  for (int i = 0; i < maxSize; i++) {
    scanner.nextLine(); // Clear the input buffer
    System.out.print("Enter the name of product " + (i + 1) + ": ");
```

```
String name = scanner.nextLine();
    System.out.print("Enter the quantity of product " + (i + 1) + ": ");
    int quantity = scanner.nextInt();
    System.out.print("Enter the price of product " + (i + 1) + ": ");
    double price = scanner.nextDouble();
    System.out.print("Enter the item number of product " + (i + 1) + ": ");
    int itemNumber = scanner.nextInt();
   // Create a new product object and place it in the array
    products[i] = new Product(name, quantity, price, itemNumber);
 // Display the products using a for-each loop
  System.out.println("\nProducts Added:");
 for (Product product: products) {
   System.out.println(product);
// Close the scanner
scanner.close();
```

}

}

}

```
Enter the number of products you would like to add
Enter 0 (zero) if you do not wish to add products
Enter the name of product 1: BAT
Enter the quantity of product 1: 1
Enter the price of product 1: 2000
Enter the item number of product 1: 45
Enter the name of product 2: BALL
Enter the quantity of product 2: 2
Enter the price of product 2: 30
Enter the item number of product 2: 10
Enter the name of product 3: JERSY
Enter the quantity of product 3: 3
Enter the price of product 3: 500
Enter the item number of product 3: 32
Products Added:
Product Name: BAT, Quantity: 1, Price: $2000.0, Item Number: 45
Product Name: BALL, Quantity: 2, Price: $30.0, Item Number: 10
Product Name: JERSY, Quantity: 3, Price: $500.0, Item Number: 32
=== Code Execution Successful ===
PROJECT-4:
Java Fundamentals
Section 7 Part 1: Creating an Inventory Project.
import java.util.Scanner;
```

```
class Product {
 private int number;
 private String name;
 private int quantity;
 private double price;
 // Constructor
 public Product(int number, String name, int quantity, double price) {
```

```
this.number = number;
  this.name = name;
  this.quantity = quantity;
  this.price = price;
}
// Getters
public String getName() {
  return name;
}
public int getQuantity() {
  return quantity;
}
// Method to add quantity
public void addToInventory(int quantity) {
  if (quantity > 0) {
    this.quantity += quantity;
  } else {
    System.out.println("Quantity must be greater than zero.");
 }
}
// Method to deduct quantity
public void deductFromInventory(int quantity) {
  if (quantity > 0 && quantity <= this.quantity) {
    this.quantity -= quantity;
```

```
} else {
     System.out.println("Invalid quantity for deduction.");
   }
 }
}
public class ProductTester {
  public static void main(String[] args) {
   Scanner scanner = new Scanner(System.in);
   int maxSize = getNumProducts(scanner);
   Product[] products = new Product[maxSize];
   addToInventory(products, scanner);
   displayInventory(products);
   int option;
   do {
     option = getMenuOption(scanner);
     switch (option) {
       case 1:
         displayInventory(products);
         break;
       case 2:
         addInventory(products, scanner);
         break;
       case 3:
         deductInventory(products, scanner);
         break;
```

```
case 4:
         discontinueProduct(products, scanner);
         break;
     }
   } while (option != 0);
   scanner.close();
 }
 public static void displayInventory(Product[] products) {
   System.out.println("Current Inventory:");
   for (int i = 0; i < products.length; i++) {
     if (products[i] != null) {
       System.out.println(i + ": " + products[i].getName() + " - Quantity: " +
products[i].getQuantity());
     }
   }
 }
 public static void addToInventory(Product[] products, Scanner scanner) {
   int tempNumber;
   String tempName;
   int tempQty;
   double tempPrice;
   for (int i = 0; i < products.length; i++) {
     System.out.print("Enter product number: ");
     tempNumber = scanner.nextInt();
```

```
System.out.print("Enter product name: ");
    tempName = scanner.next();
    System.out.print("Enter product quantity: ");
    tempQty = scanner.nextInt();
    System.out.print("Enter product price: ");
    tempPrice = scanner.nextDouble();
    products[i] = new Product(tempNumber, tempName, tempQty, tempPrice);
 }
}
public static int getNumProducts(Scanner scanner) {
  int maxSize;
  do {
   System.out.print("Enter max number of products: ");
    maxSize = scanner.nextInt();
 } while (maxSize <= 0);</pre>
  return maxSize;
}
public static int getMenuOption(Scanner scanner) {
  int option = -1;
 while (option < 0 \mid \mid option > 4) \{
    System.out.println("1. View Inventory");
    System.out.println("2. Add Stock");
```

```
System.out.println("3. Deduct Stock");
   System.out.println("4. Discontinue Product");
   System.out.println("0. Exit");
   System.out.print("Please enter a menu option: ");
   try {
     option = scanner.nextInt();
   } catch (Exception e) {
     System.out.println("Invalid input. Please enter a number between 0 and 4.");
     scanner.next(); // Clear the invalid input
   }
 }
 return option;
}
public static int getProductNumber(Product[] products, Scanner scanner) {
 int productChoice = -1;
 while (productChoice < 0 || productChoice >= products.length) {
   System.out.println("Select a product by number:");
   for (int i = 0; i < products.length; i++) {
     if (products[i] != null) {
       System.out.println(i + ": " + products[i].getName());
     }
   }
   try {
      productChoice = scanner.nextInt();
   } catch (Exception e) {
     System.out.println("Invalid input. Please enter a valid product number.");
     scanner.next(); // Clear the invalid input
```

```
}
  }
  return productChoice;
}
public static void addInventory(Product[] products, Scanner scanner) {
  int productChoice;
  int updateValue = -1;
  productChoice = getProductNumber(products, scanner);
  while (updateValue < 0) {
    System.out.print("Enter quantity to add: ");
    updateValue = scanner.nextInt();
  }
  products[productChoice].addToInventory(updateValue);
}
public static void deductInventory(Product[] products, Scanner scanner) {
  int productChoice;
  int updateValue = -1;
  productChoice = getProductNumber(products, scanner);
  while (updateValue < 0) {
    System.out.print("Enter quantity to deduct: ");
    updateValue = scanner.nextInt();
```

```
}
   products[productChoice].deductFromInventory(updateValue);
 }
 public static void discontinueProduct(Product[] products, Scanner scanner) {
   int productChoice = getProductNumber(products, scanner);
   products[productChoice] = null; // Setting the product to null to discontinue it
   System.out.println("Product discontinued.");
 }
}
OUTPUT:
Enter max number of products: 5
Enter product number: 89
Enter product name: BAT
Enter product quantity: 2
Enter product price: 30
Enter product number: 22
Enter product name: BALL
Enter product quantity: 10
Enter product price: 20
Enter product number: 55
Enter product name: JERSY
Enter product quantity: 2
Enter product price: 500
Enter product number: 99
Enter product name: WICKET
Enter product quantity: 2
```

Enter product price: 300 Enter product number: 33 Enter product name: SHOE Enter product quantity: 2 Enter product price: 600

```
Current Inventory:
0: BAT - Quantity: 2
1: BALL - Quantity: 10
2: JERSY - Quantity: 2
3: WICKET - Quantity: 2
4: SHOE - Quantity: 2
1. View Inventory
2. Add Stock
3. Deduct Stock
4. Discontinue Product
0. Exit
Please enter a menu option: 2
Select a product by number:
0: BAT
1: BALL
2: JERSY
3: WICKET
4: SH0E
0
Enter quantity to add: 2
1. View Inventory
2. Add Stock
3. Deduct Stock
4. Discontinue Product
0. Exit
Please enter a menu option: 3
Please enter a menu option: 3
```

```
Select a product by number:

0: BAT

1: BALL

2: JERSY

3: WICKET

4: SHOE

3
Enter quantity to deduct: 1
```

#### PROJECT-5:

#### PROGRAM FOR CD AND DVD:

import java.util.ArrayList;

import java.util.Scanner;

```
class Product {
 protected String name;
 protected double price;
 protected int quantity;
 protected int itemNumber;
 protected String status = "Available";
 public Product(String name, double price, int quantity, int itemNumber) {
   this.name = name;
   this.price = price;
   this.quantity = quantity;
   this.itemNumber = itemNumber;
 }
 public double calculateInventoryValue() {
   return price * quantity;
 }
 @Override
 public String toString() {
   return "Item Number: " + itemNumber + "\n" +
       "Name: " + name + "\n" +
       "Quantity in stock: " + quantity + "\n" +
       "Price: " + price + "\n" +
       "Stock Value: " + String.format("%.2f", calculateInventoryValue()) + "\n" +
       "Product Status: " + status;
 }
```

```
class DVD extends Product {
  private int length;
  private int ageRating;
  private String filmStudio;
  public DVD(String name, double price, int quantity, int itemNumber, int length, int
ageRating, String filmStudio) {
    super(name, price, quantity, itemNumber);
   this.length = length;
   this.ageRating = ageRating;
   this.filmStudio = filmStudio;
 }
  @Override
  public String toString() {
    return super.toString() + "\n" +
       "Movie Length: " + length + " minutes\n" +
       "Age Rating: " + ageRating + "\n" +
       "Film Studio: " + filmStudio;
 }
}
class CD extends Product {
  private String artist;
  private int numSongs;
  private String label;
```

```
public CD(String name, double price, int quantity, int itemNumber, String artist, int
numSongs, String label) {
    super(name, price, quantity, itemNumber);
   this.artist = artist;
   this.numSongs = numSongs;
   this.label = label;
 }
  @Override
  public String toString() {
    return super.toString() + "\n" +
       "Artist: " + artist + "\n" +
       "Songs on Album: " + numSongs + "\n" +
       "Record Label: " + label;
 }
}
Public class ProductTester {
  private ArrayList<Product> products = new ArrayList<>();
  private Scanner scanner = new Scanner(System.in);
  public void addToInventory() {
    int stockChoice = -1;
   while (stockChoice != 1 && stockChoice != 2) {
     System.out.println("1: CD\n2: DVD");
     System.out.print("Please enter the product type: ");
```

```
stockChoice = scanner.nextInt();
   scanner.nextLine(); // Consume newline
   if (stockChoice != 1 && stockChoice != 2) {
     System.out.println("Only numbers 1 or 2 allowed!");
   }
 }
 if (stockChoice == 1) {
   addCDToInventory();
 } else {
   addDVDToInventory();
 }
}
private void addCDToInventory() {
 System.out.print("Please enter the CD name: ");
 String name = scanner.nextLine();
 System.out.print("Please enter the artist name: ");
 String artist = scanner.nextLine();
 System.out.print("Please enter the record label name: ");
 String label = scanner.nextLine();
 System.out.print("Please enter the number of songs: ");
 int numSongs = scanner.nextInt();
```

```
System.out.print("Please enter the quantity of stock for this product: ");
  int quantity = scanner.nextInt();
  System.out.print("Please enter the price for this product: ");
  double price = scanner.nextDouble();
 System.out.print("Please enter the item number: ");
 int itemNumber = scanner.nextInt();
 CD cd = new CD(name, price, quantity, itemNumber, artist, numSongs, label);
  products.add(cd);
 System.out.println("CD added to inventory.");
private void addDVDToInventory() {
 System.out.print("Please enter the DVD name: ");
 String name = scanner.nextLine();
 System.out.print("Please enter the film studio name: ");
  String filmStudio = scanner.nextLine();
 System.out.print("Please enter the age rating: ");
  int ageRating = scanner.nextInt();
 System.out.print("Please enter the length in minutes: ");
  int length = scanner.nextInt();
  System.out.print("Please enter the quantity of stock for this product: ");
```

```
int quantity = scanner.nextInt();
   System.out.print("Please enter the price for this product: ");
    double price = scanner.nextDouble();
   System.out.print("Please enter the item number: ");
   int itemNumber = scanner.nextInt();
   DVD dvd = new DVD(name, price, quantity, itemNumber, length, ageRating,
filmStudio);
   products.add(dvd);
   System.out.println("DVD added to inventory.");
 }
 public void displayInventory() {
   for (Product product : products) {
     System.out.println(product);
     System.out.println("\n" + "=".repeat(40) + "\\n");
   }
 }
 public static void main(String[] args) {
   ProductTester tester = new ProductTester();
   while (true) {
     System.out.println("1: Add Product\n2: Display Inventory\n3: Exit");
     System.out.print("Please enter your choice: ");
     int choice = tester.scanner.nextInt();
```

#### tester.scanner.nextLine(); // Consume newline

```
if (choice == 1) {
    tester.addToInventory();
} else if (choice == 2) {
    tester.displayInventory();
} else if (choice == 3) {
    break;
} else {
    System.out.println("Invalid choice. Please try again.");
}

tester.scanner.close();
}

Output:
```

```
1: Add Product
2: Display Inventory
3: Exit
Please enter your choice: 1
1: CD
2: DVD
Please enter the product type: 2
Please enter the DVD name: OG
Please enter the film studio name: DVV
Please enter the age rating: 15
Please enter the length in minutes: 125
Please enter the quantity of stock for this product: 200
Please enter the price for this product: 300
Please enter the item number: 21
DVD added to inventory.
1: Add Product
2: Display Inventory
3: Exit
Please enter your choice: 1
1: CD
2: DVD
Please enter the product type: 1
Please enter the CD name: HVHM
Please enter the artist name: DSP
Please enter the record label name: GABBARSINGH
Please enter the number of songs: 5
10000 011001 0110 110mbor 01 0011601 0
Please enter the quantity of stock for this product: 20
Please enter the price for this product: 100
Please enter the item number: 25
CD added to inventory.
1: Add Product
```

2: Display Inventory

3: Exit

```
1: Add Product
2: Display Inventory
3: Exit
Please enter your choice: 2
Item Number: 21
Name: OG
Quantity in stock: 200
Price: 300.0
Stock Value: 60000.00
Product Status: Available
Movie Length: 125 minutes
Age Rating: 15
Film Studio: DVV
______
Item Number: 25
Name: HVHM
Quantity in stock: 20
Price: 100.0
Stock Value: 2000.00
Product Status: Available
Artist: DSP
Songs on Album: 5
Record Label: GABBARSINGH
Final project:
import java.util.ArrayList;
import java.util.InputMismatchException;
import java.util.Scanner;
public class MealPlannerApp {
 public static void main(String[] args) {
   Scanner scanner = new Scanner(System.in);
```

MealPlanner mealPlanner = new MealPlanner();

```
System.out.println("Welcome to the Meal Planner!");
    int calorieLimit = 0;
   while (true) {
      System.out.print("Please enter your calorie limit for the day: ");
     try {
        calorieLimit = scanner.nextInt();
        if (calorieLimit <= 0) {
         System.out.println("Calorie limit must be a positive number. Try again.");
       } else {
          break;
       }
     } catch (InputMismatchException e) {
        System.out.println("Invalid input. Please enter a number.");
       scanner.next(); // Clear invalid input
     }
   }
    mealPlanner.displayFoodOptions();
   while (true) {
     System.out.print("Enter the index of the food item to add to your meal plan (or -1
to finish): ");
      int inputIndex = scanner.nextInt();
      if (inputIndex == -1) {
        break;
     }
```

```
if (inputIndex >= 0 && inputIndex < mealPlanner.foodList.size()) {
     mealPlanner.addFoodToMealPlan(mealPlanner.getFood(inputIndex));
     if (!mealPlanner.isUnderCalorieLimit(calorieLimit)) {
       System.out.println("Warning: You have exceeded your calorie limit!");
     }
   } else {
     System.out.println("Invalid index. Please try again.");
   }
 }
  mealPlanner.displayMealPlan();
  System.out.println("Total calories: " + mealPlanner.totalCalories());
 scanner.close();
}
static class Food {
  private String name;
  private int calories;
  public Food(String name, int calories) {
   this.name = name;
   this.calories = calories;
 }
  public String getName() {
    return name;
 }
```

```
public int getCalories() {
    return calories;
 }
  public String getDescription() {
   return name + " (Calories: " + calories + ")";
 }
}
static class MealPlanner {
  private ArrayList<Food> foodList;
  private ArrayList<Food> mealPlan;
  public MealPlanner() {
   foodList = new ArrayList<>();
    mealPlan = new ArrayList<>();
   initializeFoodList();
 }
  private void initializeFoodList() {
   foodList.add(new Food("Apple", 95));
   foodList.add(new Food("Banana", 105));
   foodList.add(new Food("Chicken Breast", 165));
   foodList.add(new Food("Rice (1 cup)", 205));
   foodList.add(new Food("Broccoli", 55));
 }
```

```
public void addFoodToMealPlan(Food food) {
  mealPlan.add(food);
}
public void displayMealPlan() {
  System.out.println("Your Meal Plan:");
  for (Food food: mealPlan) {
    System.out.println(food.getDescription());
 }
}
public int totalCalories() {
  int total = 0;
  for (Food food: mealPlan) {
   total += food.getCalories();
 }
  return total;
}
public boolean isUnderCalorieLimit(int limit) {
  return totalCalories() <= limit;</pre>
}
public void displayFoodOptions() {
  System.out.println("Available Foods:");
  for (int i = 0; i < foodList.size(); i++) {
   System.out.println(i + ": " + foodList.get(i).getDescription());
 }
```

```
public Food getFood(int index) {
    return foodList.get(index);
}
```

#### Output:

```
java -cp /tmp/f3yh3tEBJB/MealPlannerApp
Welcome to the Meal Planner!
Please enter your calorie limit for the day: 250
Available Foods:
0: Apple (Calories: 95)
1: Banana (Calories: 105)
2: Chicken Breast (Calories: 165)
3: Rice (1 cup) (Calories: 205)
4: Broccoli (Calories: 55)
Enter the index of the food item to add to your meal plan (or -1 to finish): 2
Enter the index of the food item to add to your meal plan (or -1 to finish): 4
Enter the index of the food item to add to your meal plan (or -1 to finish): 1
Warning: You have exceeded your calorie limit!
Enter the index of the food item to add to your meal plan (or -1 to finish): |
```