AGRICULTURE MANAGEMENT SYSTEM

Code:

```
//package project;

import java.util.*;
import java.io.*;

//variable class
class variable {
   // All variables are declared globally

   ArrayList<Integer> P_Id = new ArrayList<Integer>(); // Creating array list
object names as P_Id
   ArrayList<String> P_Name = new ArrayList<String>(); // Creating array list
object names as P_Name
   ArrayList<Integer> P_Price = new ArrayList<Integer>(); // Creating array list
object names as P_Price
   ArrayList<Integer> B_Id = new ArrayList<Integer>(); // Creating array list
object names as B_Id
   ArrayList<String> B_Name = new ArrayList<String>(); // Creating array list
object names as B_Name
   ArrayList<Integer> B_Price = new ArrayList<Integer>(); // Creating array list
object names as B_Price
   ArrayList<Integer> B_Quantity = new ArrayList<Integer>(); // Creating array
list object names as B_Quantity

   int P_Count = 0, i = 0, PID_Modify = 0, PID_Delete = 0, j = 0, c,
choice_seller_choice, main_menu,
         choice_buyer_choice, Modified_Price, buy_products_buyer,
quantity_buyer, choice, amount, total,
         null_value_number, counter = 0, seller_count = 1, buyer_count = 1; //
Variables
   // of int
   // data type
   char new_user_seller, new_user_buyer, con, condition; // Variables of char
data type
   String username_seller, password_seller, username_buyer, password_buyer;
// Variables of String data type
```

```
   String full_name_seller_signUp, user_name_seller_signUp,
password_seller_signUp, address_seller_signUp,
         city_seller_signUp, state_seller_signUp, dob_seller_signUp,
email_seller_signUp, contact_seller_signUp;
   String full_name_buyer_signUp, user_name_buyer_signUp,
password_buyer_signUp, address_buyer_signUp,
         city_buyer_signUp, state_buyer_signUp, dob_buyer_signUp,
email_buyer_signUp, contact_buyer_signUp;
}

/* Inheriting variable class in Menu(Single level inheritance) */
class Menu extends variable {
   Scanner sc = new Scanner(System.in);

   public void menus() // menus function
   {
      System.out.print("\033[H\033[2J");

System.out.println("\n\t\t\t\t**********\n\t\t\t\t\tHOME\n\t\t\t
\t**********");
      System.out.println("\n\t1. To Enter As A Seller Press 1");
      System.out.println("\n\t2. To Enter As A Buyer Press 2");
      System.out.println("\n\t3. To Exit Press 3");
      System.out.print("\n\tEnter Your Choice: ");
      choice = sc.nextInt();
      switch (choice) {

      case 1:
         System.out.print("\n\tAre You New Seller? (Press 'Y' For Yes And 'N' For
No): ");
         new_user_seller = sc.next().charAt(0);
         if (new_user_seller == 'y' || new_user_seller == 'Y') {
            getData_SignUp_seller();
            getData_SignIn_seller();
            seller();
         }

         else if (new_user_seller == 'n' || new_user_seller == 'N') {
            getData_SignIn_seller();
            seller();
```

```
        }
        break;
      case 2:
        System.out.print("\n\tAre You New Buyer? (Press 'Y' For Yes And 'N' For
No): ");
        new_user_buyer = sc.next().charAt(0);
        if (new_user_buyer == 'y' || new_user_buyer == 'Y') {
          getData_SignUp_buyer();
          getData_SignIn_buyer();
          buyer();
        } else if (new_user_buyer == 'n' || new_user_buyer == 'N') {
          getData_SignIn_buyer();
          buyer();
        }
        break;
      case 3:
        System.exit(0);
        break;
      default:
        System.out.print("Enter valid choice\n");
        break;
      }
    }

    public void getData_SignIn_seller() // getData_SignIn_seller function
    {
      try {
        System.out.print("\033[H\033[2J");

System.out.println("\n\n\t\t\t\t**********************\n\t\t\t\t\tSELLER\n
\t\t\t\t**********************");
        System.out.print("\n\n\tEnter Username: ");
        username_seller = sc.next();
        System.out.print("\tEnter Password: ");
        password_seller = sc.next();
        FileWriter fw2 = new FileWriter("C:\\Users\\Admin\\My Drive\\SEM-
3\\OOP\\Project\\Seller_Login_History.txt", true);
        BufferedWriter bw2 = new BufferedWriter(fw2);
        bw2.write(
```

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            "\n\n\t\t\t\t\t\t\t**********\n\t\t\t\t\t\tSELLER Login
History\n\t\t\t\t\t\t**********");
            bw2.write("\n\t\t\t\t\t\tUsername: " + username_seller);
            bw2.close();
            fw2.close();
        } catch (Exception e) {
            System.out.println("\n\tException Entered:" + e);
        }
    }

    public void getData_SignIn_buyer() // getData_SignIn_buyer function
    {
        try {
            System.out.print("\033[H\033[2J");

System.out.println("\n\n\t\t\t\t**********\n\t\t\t\t\tBUYER\n\
t\t\t\t**********");
            System.out.print("\n\n\tEnter Username: ");
            username_buyer = sc.next();
            System.out.print("\tEnter Password: ");
            password_buyer = sc.next();
            FileWriter fw3 = new FileWriter("C:\\Users\\Admin\\My Drive\\SEM-
3\\OOP\\Project\\Buyer_Login_History.txt", true);
            BufferedWriter bw3 = new BufferedWriter(fw3);
            bw3.write(
                "\n\n\t\t\t\t\t\t**********\n\t\t\t\t\t\tBUYER Login
History\n\t\t\t\t\t\t**********");
                bw3.write("\n\t\t\t\t\t\tUsername: " + username_buyer);
            bw3.close();
            fw3.close();
        } catch (Exception e) {
            System.out.println("\n\tException Entered:" + e);
        }
    }

    public void getData_SignUp_seller() // getData_SignUp_seller function
    {
        System.out.print("\033[H\033[2J");
```

```
System.out.println("\n\n\t\t\t\t**********************\n\t\t\t\t\tSELLER\n
\t\t\t\t**********************");

      System.out.print("\n\n\tFull Name: ");
      full_name_seller_signUp = sc.nextLine();
      sc.nextLine();
      System.out.print("\tUser Name: ");
      user_name_seller_signUp = sc.next();
      if (user_name_seller_signUp.equals("Stuti") ||
user_name_seller_signUp.equals("Jinay")
            || user_name_seller_signUp.equals("Purav") ||
user_name_seller_signUp.equals("Sakshi")) {
         System.out.print("\tUsername Already Exist Press 1 To Enter New
Username Press 2 To Exit: ");
         c = sc.nextInt();
         switch (c) {
         case 1:
            getData_SignUp_seller();
            break;
         case 2:
            System.exit(0);
            break;
         default:
            System.out.print("\tWrong number entered\n");
            break;
         }
      }
      System.out.print("\tPassword: ");
      password_seller_signUp = sc.next();
      sc.nextLine();
      System.out.print("\tAddress: ");
      address_seller_signUp = sc.nextLine();
      System.out.print("\tCity: ");
      city_seller_signUp = sc.next();
      System.out.print("\tState: ");
      state_seller_signUp = sc.next();
      System.out.print("\tDOB: ");
      dob_seller_signUp = sc.next();
      System.out.print("\tEmail: ");
```

```
        email_seller_signUp = sc.next();
        System.out.print("\tContact: ");
        contact_seller_signUp = sc.next();
    }

    public void getData_SignUp_buyer() // getData_SignUp_buyer function
    {
        System.out.print("\033[H\033[2J");

System.out.println("\n\n\t\t\t\t**********\n\t\t\t\t\tBUYER\n\
t\t\t\t**********");

        System.out.print("\n\n\tFull Name: ");
        full_name_buyer_signUp = sc.nextLine();
        sc.nextLine();
        System.out.print("\tUser Name: ");
        user_name_buyer_signUp = sc.next();
        System.out.print("\tPassword: ");
        password_buyer_signUp = sc.next();
        sc.nextLine();
        System.out.print("\tAddress: ");
        address_buyer_signUp = sc.nextLine();
        System.out.print("\tCity: ");
        city_buyer_signUp = sc.next();
        System.out.print("\tState: ");
        state_buyer_signUp = sc.next();
        System.out.print("\tDOB: ");
        dob_buyer_signUp = sc.next();
        System.out.print("\tEmail: ");
        email_buyer_signUp = sc.next();
        System.out.print("\tContact: ");
        contact_buyer_signUp = sc.next();

    }

    public void seller() // seller function
    {
        if (((username_seller.equals("Stuti") || username_seller.equals("Jinay") ||
username_seller.equals("Purav")
```

```
            || username_seller.equals("Sakshi")) &&
password_seller.equals("gnu123"))
            || (username_seller.equals(user_name_seller_signUp)
                  && password_seller.equals(password_seller_signUp))) {
         seller_choice();

      } else {
         System.out.print(
               "\n\tAccount Doesn't Exist Or Entered Username Or Password Are
Incorrect\n\tPress 1 To Create New Account\n\tPress 2 To Re Enter Username
And Password\n\tPress 3 To Exit\n\tEnter Your Choice: ");
         c = sc.nextInt();
         switch (c) {
         case 1:
            getData_SignUp_seller();
            getData_SignIn_seller();
            seller_choice();
            break;
         case 2:
            getData_SignIn_seller();
            seller();
            break;
         case 3:
            System.exit(0);
            return;
         default:
            System.out.print("\tWrong choice entered\n");
            break;
         }
      }
   }

   public void buyer() // buyer function
   {
      if ((username_buyer.equals("Stuti") || username_buyer.equals("Jinay") ||
username_buyer.equals("Purav")
            || username_buyer.equals("Sakshi")) &&
password_buyer.equals("gnu123")
            || (username_buyer.equals(user_name_buyer_signUp) &&
password_buyer.equals(password_buyer_signUp))) {
```

```
            buyer_choice();
        } else {
            System.out.print(
                    "\n\tAccount Doesn't Exist Or Entered Username Or Password Are
Incorrect\n\tPress 1 To Create New Account\n\tPress 2 To Re Enter Username
And Password\n\tPress 3 To Exit\n\tEnter Your Choice: ");
            c = sc.nextInt();
            switch (c) {
            case 1:
                getData_SignUp_buyer();
                getData_SignIn_buyer();
                buyer_choice();
                break;
            case 2:
                getData_SignIn_buyer();
                buyer();
                break;
            case 3:
                System.exit(0);
                return;
            default:
                System.out.print("\tWrong Choice Entered\n");
                break;
            }
        }
    }

    public void seller_choice() // seller_choice function
    {

        System.out.print("\033[H\033[2J");

System.out.println("\n\n\t\t\t\t**********************\n\t\t\t\t\tSELLER\n\
t\t\t\t**********************");
        System.out.println("\n\t1. CREATE PRODUCT");
        System.out.println("\n\t2. MODIFY PRODUCT");
        System.out.println("\n\t3. DELETE PRODUCT");
        System.out.println("\n\t4. VIEW ALL PRODUCTS");
        System.out.println("\n\t5. BACK TO MAIN MENU");
        System.out.print("\n\tEnter Your Choice: ");
```

```
      choice_seller_choice = sc.nextInt();
      switch (choice_seller_choice) {
      case 1:
         create_product();
         break;

      case 2:
         modify_product();
         view_products();
         break;

      case 3:
         delete_product();
         break;

      case 4:
         view_products();
         break;

      case 5:
         menus();
         break;

      default:
         System.out.println("Invalid Choice !!!");
         break;
      }

   }

   public void create_product() // create_product function
   {
      System.out.print("\033[H\033[2J");
      System.out.println(
            "\n\n\t\t\t\t**************************\n\t\t\t\t\tCREATE
PRODUCT\n\t\t\t\t**************************");

      while (con != 'n') {
         System.out.print("\n\tEnter How Much Items You Want To Insert: ");
         P_Count = sc.nextInt();
```

```
        for (i = 0; i < P_Count; i++) {
            System.out.print("\n\tEnter Product " + (i + 1) + " Id: ");
            P_Id.add(sc.nextInt());
            System.out.print("\tEnter Product " + (i + 1) + " Name: ");
            P_Name.add(sc.next());
            System.out.print("\tEnter Product " + (i + 1) + " Price(Per kg): ");
            P_Price.add(sc.nextInt());
        }
        System.out.print("\n\tDo You Want To Create New Product(Press y for
yes and n for no):");
        con = sc.next().charAt(0);
      }
      con = 0;
      try {
        FileWriter fw4 = new FileWriter("C:\\Users\\Admin\\My Drive\\SEM-
3\\OOP\\Project\\All_Products.txt", true);
        BufferedWriter bw4 = new BufferedWriter(fw4);
        bw4.write(
              "\n\n\t\t\t\t\t**************************\n\t\t\t\t\t\tAll
PRODUCTS\n\t\t\t\t\t**************************");
        bw4.write("\n\t\t\t\tPID\t\tPRODUCT NAME\t\tPRICE\n");
        for (int i = 0; i < P_Id.size(); i++) {
          bw4.write("\n\t\t\t\t" + P_Id.get(i) + "\t\t" + P_Name.get(i) + "\t\t\t"
+ P_Price.get(i));
        }
        bw4.close();
        fw4.close();
      } catch (Exception e) {
        System.out.println("Exception catched:" + e);
      }
      System.out.print("\n\tPress 1 For Return To Main Menu and Press 2 to
Exit: ");
      main_menu = sc.nextInt();
      switch (main_menu) {
      case 1:
        seller_choice();
        break;
      case 2:
        System.exit(0);
```

```
            break;
        default:
            System.out.print("\n\tWrong Number Entered");
            break;
        }
    }

    public void modify_product() // modify_product function
    {

        System.out.print("\033[H\033[2J");
        System.out.println(
                "\n\n\t\t\t\t**********************\n\t\t\t\t\tMODIFY
PRODUCT\n\t\t\t\t**********************");
        if (P_Id.size() == 0) {
            System.out.print(
                    "\n\tYou Didn't Created Any Products.\n\n\tIf You Want To Create
Product Press 1 and Press 2 to exit: ");
            null_value_number = sc.nextInt();
            switch (null_value_number) {
            case 1:
                create_product();
                break;
            case 2:
                System.exit(0);
                break;
            default:
                System.out.println("\tWrong Choice !!!!");
                break;
            }
        } else {
            System.out.println("\n\t\tPID\t\tPRODUCT NAME\t\tPRICE");
            for (int i = 0; i < P_Id.size(); i++) {
                System.out.println("\t\t" + P_Id.get(i) + "\t\t" + P_Name.get(i) +
"\t\t\t" + P_Price.get(i));
            }

            System.out.print("\n\tEnter Product's Number Which You Want To
Change: ");
            PID_Modify = sc.nextInt();
```

```
        System.out.print("\n\tEnter New Price: ");
        Modified_Price = sc.nextInt();

        for (i = 0; i < P_Id.size(); i++) {
           if (P_Id.get(i) == PID_Modify) {
              P_Price.set(i, Modified_Price);
           }
        }
        System.out.print("\n\tPress 1 For Return To Main Menu and Press 2 to
Exit: ");
        main_menu = sc.nextInt();
        switch (main_menu) {
        case 1:
           seller_choice();
           break;
        case 2:
           System.exit(0);
           break;
        default:
           System.out.print("\n\tWrong Number Entered");
           break;
        }
     }
  }

  public void delete_product() // delete_product function
  {
     System.out.print("\033[H\033[2J");
     System.out.println(
           "\n\n\t\t\t\t**********************************\n\t\t\t\t\tDELETE
PRODUCTS\n\t\t\t\t**********************************");
     if (P_Id.size() == 0) {
        System.out.print("\n\tYou Didn't Created Any Products.\n\n\tIf You
Want To Create Product Press 1: ");
        null_value_number = sc.nextInt();
        switch (null_value_number) {
        case 1:
           create_product();
           break;
        case 2:
```

```
            System.exit(0);
            break;
         default:
            System.out.println("\tWrong Choice Entered");
            break;
         }
      } else {
         System.out.println("\n\t\tPID\t\tPRODUCT NAME\t\tPRICE");
         for (int i = 0; i < P_Id.size(); i++) {
            System.out.println(
                  "\t\t" + P_Id.get(i) + "\t\t" + P_Name.get(i) + "\t\t\t" +
P_Price.get(i));
         }
         System.out.print("\n\tEnter Product's Number Which You Want To
Delete: ");
         PID_Delete = sc.nextInt();
         for (i = 0; i < P_Id.size(); i++) {
            if (P_Id.get(i) == PID_Delete) {
               j = i;
               break;
            }
         }
         P_Id.remove(j);
         P_Price.remove(j);
         P_Name.remove(j);
         System.out.println("\n\t\tPID\t\tPRODUCT NAME\t\tPRICE");
         for (int i = 0; i < P_Id.size(); i++) {
            System.out.println("\t\t" + P_Id.get(i) + "\t\t" + P_Name.get(i) +
"\t\t\t" + P_Price.get(i));
         }
         System.out.print("\n\tPress 1 For Return To Main Menu and Press 2 to
Exit: ");
         main_menu = sc.nextInt();
         switch (main_menu) {
         case 1:
            seller_choice();
            break;
         case 2:
            System.exit(0);
            break;
```

```
            default:
               System.out.print("\n\tWrong Number Entered");
               break;
            }
         }

      }

      public void view_products() // view_products function
      {
         System.out.print("\033[H\033[2J");
         System.out.println(
               "\n\n\t\t\t\t**********************************\n\t\t\t\t\tVIEW
PRODUCTS\n\t\t\t\t**********************************");
         if (P_Id.size() == 0) {
            System.out.print("\n\tYou Didn't Created Any Products.\n\n\tIf You
Want To Create Product Press 1: ");
            null_value_number = sc.nextInt();
            if (null_value_number == 1) {
               create_product();
            } else {
               System.out.println("Wrong Choice Entered");
            }
         } else {
            System.out.println("\n\t\tPID\t\tPRODUCT NAME\t\tPRICE");
            for (int i = 0; i < P_Id.size(); i++) {
               System.out.println("\t\t" + P_Id.get(i) + "\t\t" + P_Name.get(i) +
"\t\t\t" + P_Price.get(i));
            }
            System.out.print("\n\tPress 1 For Return To Main Menu and Press 2 to
Exit: ");
            main_menu = sc.nextInt();
            switch (main_menu) {
            case 1:
               seller_choice();
               break;
            case 2:
               System.exit(0);
               break;
            default:
```

```
            System.out.print("\n\tWrong Number Entered");
            break;
        }
      }
    }

    public void buyer_choice() // buyer_choice function
    {
      System.out.print("\033[H\033[2J");

System.out.println("\n\n\t\t\t\t**********\n\t\t\t\t\tBUYER\n\
t\t\t\t**********");
      System.out.println("\n\t1. VIEW ALL PRODUCTS");
      System.out.println("\n\t2. BUY PRODUCTS");
      System.out.println("\n\t3. VIEW CART AND BILL");
      System.out.println("\n\t4. BACK TO MAIN MENU");
      System.out.print("\n\tEnter Your Choice: ");
      choice_buyer_choice = sc.nextInt();
      switch (choice_buyer_choice) {
      case 1:
        view_products_buyer();
        break;

      case 2:
        buy_products();
        break;

      case 3:
        view_cart();
        break;

      case 4:
        menus();
        break;

      default:
        System.out.println("Wrong Number Entered");
        break;
      }
    }
```

```
  public void view_products_buyer() // view_products_buyer function
  {
    System.out.print("\033[H\033[2J");
    System.out.println(
        "\n\n\t\t\t\t**************************\n\t\t\t\t\tVIEW
PRODUCTS\n\t\t\t\t**************************");
    if (P_Id.size() == 0) {
      System.out.print("\n\tSorry We Don't Have Any Products For You Right
Now.");
    }

    else {
      System.out.println("\n\t\tPID\t\tPRODUCT NAME\t\tPRICE");
      for (int i = 0; i < P_Id.size(); i++) {
        System.out.println("\t\t" + P_Id.get(i) + "\t\t" + P_Name.get(i) +
"\t\t\t" + P_Price.get(i));
      }
      System.out.print("\n\tPress 1 For Return To Main Menu Press 2 to Exit:
");
      main_menu = sc.nextInt();
      switch (main_menu) {
      case 1:
        buyer_choice();
        break;
      case 2:
        System.exit(0);
        break;
      default:
        System.out.print("\n\tWrong Number Entered");
        break;
      }
    }
  }

  public void buy_products() // buy_products function
  {
    con = 0;
    System.out.print("\033[H\033[2J");
```

```
System.out.println("\n\n\t\t\t\t**********\n\t\t\t\t\tBUYER\n\
t\t\t\t**********");
      if (P_Id.size() == 0) {
         System.out.print("\n\tSorry We Don't Have Any Products For You Right
Now.");
      } else {
         System.out.println("\n\n\t\tPID\t\tPRODUCT NAME\t\tPRICE");
         for (int i = 0; i < P_Id.size(); i++) {
            System.out.println("\t\t" + P_Id.get(i) + "\t\t" + P_Name.get(i) +
"\t\t\t" + P_Price.get(i));
         }
         while (con != 'n') {
            System.out.print("\n\tEnter PID You Want To Buy: ");
            buy_products_buyer = sc.nextInt();
            for (i = 0; i < P_Id.size(); i++) {
               if (buy_products_buyer == P_Id.get(i)) {
                  counter++;
               }
            }
            if (counter == 0) {
               System.out.print(
                     "\n\tEntered PID Does Not Exist \n\tPress Y To Enter Again N
To Go Back To Main Menu: ");
               condition = sc.next().charAt(0);
               if (condition == 'y' || condition == 'Y') {
                  buy_products();
               } else if (condition == 'n' || condition == 'N') {
                  buyer_choice();
               } else {
                  System.out.println("\n\tWrong Choice Entered");
               }
            }
            counter = 0;
            System.out.print("\n\tEnter Quantity: ");
            quantity_buyer = sc.nextInt();
            for (i = 0; i < P_Id.size(); i++) {
               if (buy_products_buyer == P_Id.get(i)) {
                  amount = P_Price.get(i) * quantity_buyer;
                  total += amount;
```

```
                B_Id.add(P_Id.get(i));
                B_Name.add(P_Name.get(i));
                B_Quantity.add(quantity_buyer);
                B_Price.add(amount);
             }
          }

          System.out.print("\n\tDo You Want To Buy Another Product (Press y
For Yes And n For No):");
          con = sc.next().charAt(0);
       }
    }
    con = 0;
    System.out.print("\n\tPress 1 For Return To Main Menu: ");
    main_menu = sc.nextInt();
    switch (main_menu) {
    case 1:
       buyer_choice();
       break;

    default:
       System.out.print("\n\tWrong Number Entered");
       break;
    }

  }

  public void view_cart() // view_cart function
  {
    try {
       if (B_Id.size() != 0) {
          System.out.print("\033[H\033[2J");

System.out.println("\n\n\t\t\t\t**********************\n\t\t\t\t\tCART\n\t\
t\t\t**********************");
          System.out.println("\n\n\t\tPID\t\tPRODUCT
NAME\t\tQUANTITY\t\tPRICE");
          for (int i = 0; i < B_Id.size(); i++) {
             System.out.println("\t\t" + B_Id.get(i) + "\t\t" + B_Name.get(i) +
"\t\t\t" + B_Quantity.get(i)
```

```
                + "\t\t\t" + B_Price.get(i));
        }
        System.out.println("\n\t\t\t\t\t\t\t\t\tTotal Price: " + total);
        FileWriter fw1 = new FileWriter("C:\\Users\\Admin\\My Drive\\SEM-
3\\OOP\\Project\\bill.txt");
        BufferedWriter bw1 = new BufferedWriter(fw1);
        bw1.write(

"\n\n\t\t\t\t\t\t**********\n\t\t\t\t\t\t\tCART\n\t\t\t\t\t\t**********");
        bw1.write("\n\n\t\t\tPID\t\tPRODUCT
NAME\t\tQUANTITY\t\tPRICE");
        for (int i = 0; i < B_Id.size(); i++) {
           bw1.write("\n\t\t\t" + B_Id.get(i) + "\t\t" + B_Name.get(i) + "\t\t\t"
+ B_Quantity.get(i)
                + "\t\t\t" + B_Price.get(i));
        }
        bw1.write("\n\t\t\t\t\t\t\t\t\tTotal Price: " + total);
        bw1.close();
        fw1.close();
        FileWriter fw = new FileWriter("C:\\Users\\Admin\\My Drive\\SEM-
3\\OOP\\Project\\Bill_All_Records.txt.txt", true);
        BufferedWriter bw = new BufferedWriter(fw);
        bw.write(

"\n\n\t\t\t\t\t\t**********\n\t\t\t\t\t\t\tCART\n\t\t\t\t\t\t**********");
        bw.write("\n\n\t\t\tPID\t\tPRODUCT NAME\t\tQUANTITY\t\tPRICE");
        for (int i = 0; i < B_Id.size(); i++) {
           bw.write("\n\t\t\t" + B_Id.get(i) + "\t\t" + B_Name.get(i) + "\t\t\t" +
B_Quantity.get(i) + "\t\t\t"
                + B_Price.get(i));
        }
        bw.write("\n\t\t\t\t\t\t\t\t\tTotal Price: " + total);
        bw.close();
        fw.close();
        System.out.print("\n\tPress 1 For Return To Main Menu and Press 2
to Exit: ");
        main_menu = sc.nextInt();
        switch (main_menu) {
```

```
            case 1:
               buyer_choice();
               break;
            case 2:
               System.exit(0);
               break;
            default:
               System.out.print("\n\tWrong Number Entered");
               break;
            }
         } else {
            System.out.println("Your Cart Is Empty.");
            System.out.print("\n\tPress 1 For Return To Main Menu and Press 2
to Exit: ");
            main_menu = sc.nextInt();
            switch (main_menu) {
            case 1:
               buyer_choice();
               break;
            case 2:
               System.exit(0);
               break;
            default:
               System.out.print("\n\tWrong Number Entered");
               break;
            }
         }
      } catch (Exception e) {
         System.out.println("\n\tException Entered:" + e);
      }
   }
}

public class Project {
   public static void main(String[] args) // main function
   {
      Menu men1 = new Menu(); // Creating object of Menu class as men1
      men1.menus();
   }
}
```