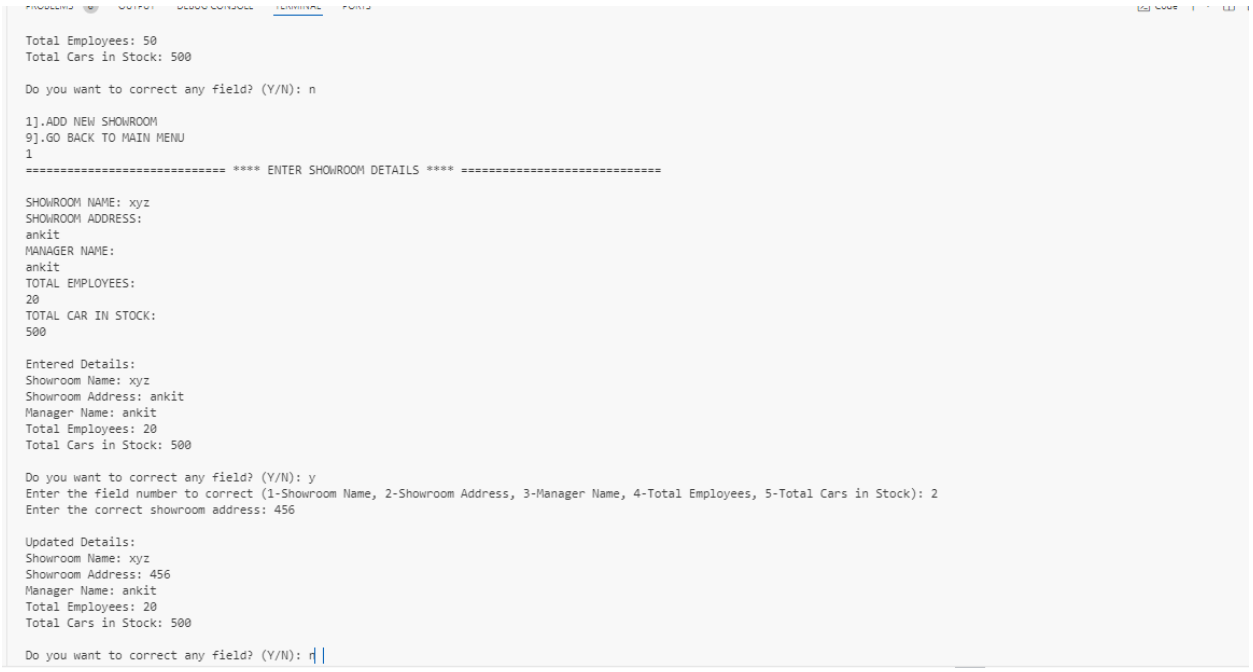
Create new Showroom

```
PROBLEMS 8  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS                                                    Code

============================  **** ENTER YOUR CHOICE **** ============================

1].ADD SHOWROOMS                    2].ADD EMPLOYEES                    3].ADD CARS
4].GET SHOWROOMS                    5].GET EMPLOYEES                    6].GET CARS

============================  **** ENTER 0 TO EXIT **** ============================
1
============================ **** ENTER SHOWROOM DETAILS **** ============================

SHOWROOM NAME: abc
SHOWROOM ADDRESS:
123
MANAGER NAME:
arshad
TOTAL EMPLOYEES:
50
TOTAL CAR IN STOCK:
500

Entered Details:
Showroom Name: abc
Showroom Address: 123
Manager Name: arshad
Total Employees: 50
Total Cars in Stock: 500

Do you want to correct any field? (Y/N): n

1].ADD NEW SHOWROOM
9].GO BACK TO MAIN MENU
1
============================ **** ENTER SHOWROOM DETAILS **** ============================

SHOWROOM NAME: xyz
SHOWROOM ADDRESS:
ankit
MANAGER NAME:
ankit
TOTAL EMPLOYEES:
```

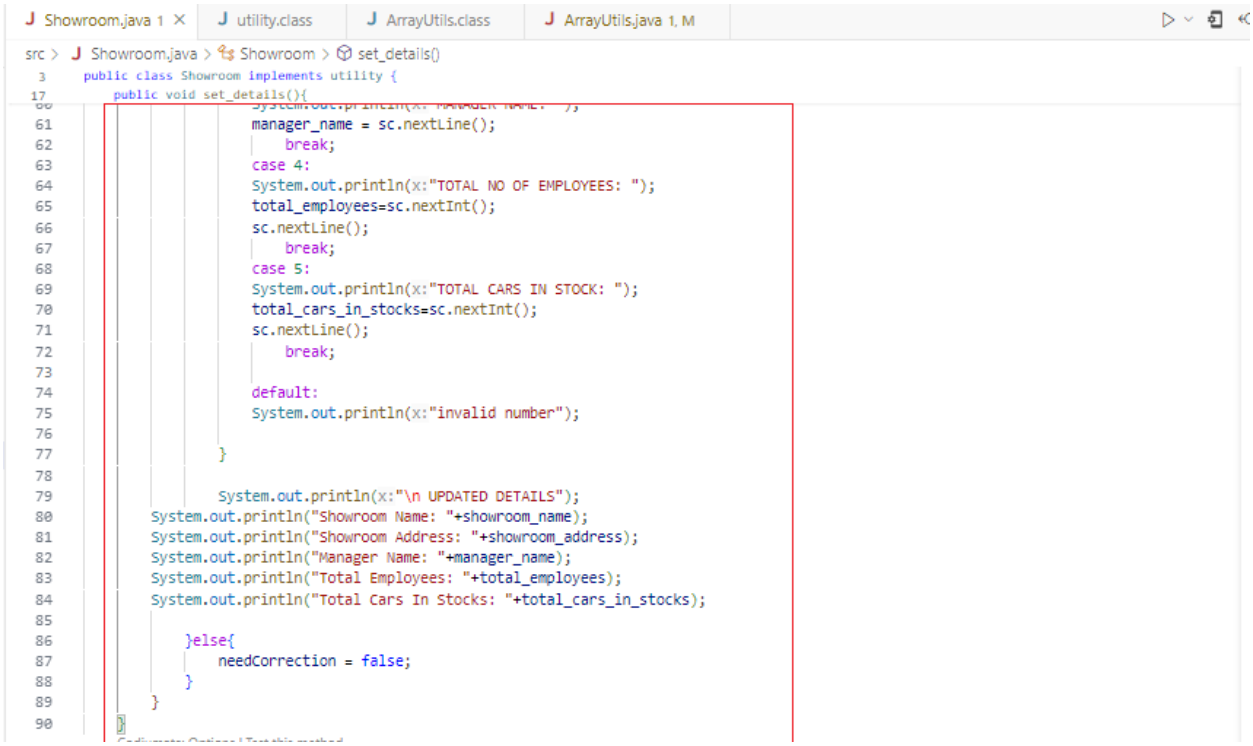
Correction in showroom details



```
Total Employees: 50
Total Cars in Stock: 500

Do you want to correct any field? (Y/N): n

1].ADD NEW SHOWROOM
9].GO BACK TO MAIN MENU
1
============================ **** ENTER SHOWROOM DETAILS **** ============================

SHOWROOM NAME: xyz
SHOWROOM ADDRESS:
ankit
MANAGER NAME:
ankit
TOTAL EMPLOYEES:
20
TOTAL CAR IN STOCK:
500

Entered Details:
Showroom Name: xyz
Showroom Address: ankit
Manager Name: ankit
Total Employees: 20
Total Cars in Stock: 500

Do you want to correct any field? (Y/N): y
Enter the field number to correct (1-Showroom Name, 2-Showroom Address, 3-Manager Name, 4-Total Employees, 5-Total Cars in Stock): 2
Enter the correct showroom address: 456

Updated Details:
Showroom Name: xyz
Showroom Address: 456
Manager Name: ankit
Total Employees: 20
Total Cars in Stock: 500

Do you want to correct any field? (Y/N): n
```

Detail correction code

```
Showroom.java > Showroom > set_details()
public class Showroom implements utility {
    public void set_details(){
        System.out.println("Total Cars In Stocks: "+total_cars_in_stocks);

        boolean needCorrection = true;      You, 23 hours ago • first commit
        while (needCorrection) {
            System.out.println(x:"\n DO YOU WANT TO CORRECTION: (Y/N)");
            String input = sc.nextLine();
            if (input.equalsIgnoreCase(anotherString:"Y")) {
                System.out.println(x:"Enter the field number to correct (1-Showroom Name, 2-Showroom Address, 3-Manager Name, 4-Total Emp
                int fieldToCorrect = sc.nextInt();
                sc.nextLine();

                switch (fieldToCorrect) {
                    case 1:
                    System.out.println(x:"SHOWROOM NAME: ");
                    showroom_name = sc.nextLine();
                        break;
                    case 2:
                    System.out.println(x:"SHOWROOM ADDRESS: ");
                    showroom_address = sc.nextLine();
                        break;
                    case 3:
                    System.out.println(x:"MANAGER NAME: ");
                    manager_name = sc.nextLine();
                        break;
                    case 4:
                    System.out.println(x:"TOTAL NO OF EMPLOYEES: ");
                    total_employees=sc.nextInt();
                    sc.nextLine();
                        break;
                    case 5:
                    System.out.println(x:"TOTAL CARS IN STOCK: ");
                    total_cars_in_stocks=sc.nextInt();
                    sc.nextLine();
                        break;

                    default:
                    System.out.println(x:"invalid number");

                }
```



```
Showroom.java 1 | utility.class | ArrayUtils.class | ArrayUtils.java 1, M
src > Showroom.java > Showroom > set_details()
public class Showroom implements utility {
    public void set_details(){
                    manager_name = sc.nextLine();
                        break;
                    case 4:
                    System.out.println(x:"TOTAL NO OF EMPLOYEES: ");
                    total_employees=sc.nextInt();
                    sc.nextLine();
                        break;
                    case 5:
                    System.out.println(x:"TOTAL CARS IN STOCK: ");
                    total_cars_in_stocks=sc.nextInt();
                    sc.nextLine();
                        break;

                    default:
                    System.out.println(x:"invalid number");

                }

                System.out.println(x:"\n UPDATED DETAILS");
        System.out.println("Showroom Name: "+showroom_name);
        System.out.println("Showroom Address: "+showroom_address);
        System.out.println("Manager Name: "+manager_name);
        System.out.println("Total Employees: "+total_employees);
        System.out.println("Total Cars In Stocks: "+total_cars_in_stocks);

            }else{
                needCorrection = false;
            }
        }
    }
```

Delete Objects (Showroom,Car or Employee) code in main.java class in every objects get_details function in the place of calling ArrayUtils function.(`ArrayUtils.deleteElementFromArray(employees, employees_counter, "EMPLOYEE", sc, new Employees());`

)

```
if (showroom_counter == 0) {
                            System.out.println("NO SHOWROOM CREATED YET");
                        } else {

                            boolean continueLoop = true;
                            while (continueLoop) {
                                System.out.print("ENTER THE NAME OF THE SHOWROOM YOU WANT TO
DELETE (OR 'BACK' TO GO BACK): ");
                                String showroomNameToDelete = sc.nextLine();

                                if (showroomNameToDelete.equalsIgnoreCase("BACK")) {
                                    System.out.println("GO BACK TO MAIN MENU");
                                    return;
                                }

                                boolean showroomFound = false;
                                int indexToDelete = -1;

                                // Find the index of the showroom to be deleted
                                for (int i = 0; i < showroom_counter; i++) {
                                    if
(showroom[i].showroom_name.equalsIgnoreCase(showroomNameToDelete)) {
                                        showroomFound = true;
                                        indexToDelete = i;
                                        break;
                                    }
                                }

                                if (showroomFound) {
                                    System.out.println("DO YOU WANT TO DELETE " +
showroom[indexToDelete].showroom_name.toUpperCase() + " SHOWROOM? (Y/N)");
                                    String confirmation = sc.nextLine();

                                    if (confirmation.equalsIgnoreCase("Y")) {
                                        for (int i = indexToDelete; i < showroom_counter - 1;
i++) {

                                            showroom[i] = showroom[i + 1]; // Shift the
elements to the left
                                        }
                                        showroom_counter--;
                                        System.out.println(showroomNameToDelete.toUpperCase() +
" SHOWROOM DELETED SUCCESSFULLY");

                                    }
                                    continueLoop = false;
                                    break;
                                 }
                                 else {
                                    System.out.println("SHOWROOM NOT FOUND!");

                                }
                            }

                            // Consume the newline character left in the input buffer
                            sc.nextLine();
```

This is new class ArrayUtils.java and Convert delete object in function with new array .

```java
ArrayUtils.java > ...
public class ArrayUtils {
    public static void deleteElementFromArray(Object[] array,int counter,String objectName,Scanner sc,utility formatter){
        String confirm;
        if (counter == 0) {
            System.out.println("NO ANY "+objectName+"CREATED YET");
        }else{
            System.out.println("ENTER THE NUMBER OF "+objectName+"YOU WANT TO DELETE (OR 0 TO GO BACK)");
            indexToDelete = sc.nextInt()-1;
            sc.nextLine();

            System.out.println("DO YOU WANT TO DELETE "+formatter.getObjectName(array[indexToDelete])+" "+objectName+" ? (Y
            confirm = sc.nextLine();
            if (confirm.equalsIgnoreCase(anotherString:"Y")) {
                if (indexToDelete >= 0 && indexToDelete < counter) {
                    for (int i = indexToDelete; i < counter-1; i++) {
                        array[i] = array[i+1];
                    }
                    counter--;
                    System.out.println(formatter.getObjectName(array[indexToDelete])+" "+objectName+" SUCCESSFULLY DELETE")
                }else if (indexToDelete == -1) {
                    System.out.println(x:"RETURN TO MAIN MENU");
                }else{
                    System.out.println(x:"INVALID INDEX !");
                }
            }
        }
    }
    Codiumate: Options | Test this method
    private static Object [] trinArray(Object [] array,int newSize ){
        Object [] newArray = new Object[newSize];
        System.arraycopy(array, srcPos:0, newArray, destPos:0, newSize);
        return newArray;
    }
}
```

This is showroom_name override method.To access showroom name and get object parameter and return in toSting method.It's part of ArrayUtils.java class to access object item name .

Calling ArrayUtils delete object function in main.java class.

```
{
i main(String[] args) {
        System.out.println(x:"9].GO BACK TO MAIN MENU");
        choice = sc.nextInt();
        break;
    case 4:
    System.out.println(x:"\nSHOWROOM LIST:");
        for (int i = 0; i < showroom_counter; i++) {
            System.out.println((i+1)+"."); //THIS LINE OF CODE FOR SHOW NUMBER WHEN YOU WANT TO DELETE A
            showroom[i].get_details();
            System.out.println();
            System.out.println();
        }

        // CALLING ArrayUtils CLASS WITH FUNCTION TO DELETE OBJECT USE THIS FUNCTION IN ALL CALL OBJECT C

       ArrayUtils.deleteElementFromArray(showroom, showroom_counter, objectName:"Showroom", sc);

        System.out.println();
        System.out.println(x:"9].GO BACK TO MAIN MENU");
        System.out.println(x:"0].EXIT");
        choice = sc.nextInt();
        break;
    case 5:
    System.out.println(x:"EMPLOYEES LIST:");
        for (int i = 0; i < employee_counter; i++) {
            System.out.println((i+1)+".");
            employee[i].get_details();
            System.out.println();
            System.out.println();
```

Note: If you don't understand correction code and delete function and code then don't use it create simple Showroom Management System. After Learn collection then apply these function and code.

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