**Person.java**

import java.util.Scanner;  
  
public class Person {  
  
 String name;  
 int age;  
  
 public static void main(String[] agrs) {  
  
 Scanner input = new Scanner(System.in);   
   
 Person person1 = new Person();   
 System.out.println("Enter name: ");  
 person1.name = input.nextLine();   
   
 System.out.println("Enter age:");  
 person1.age = input.nextInt();  
  
 System.out.println("Name:" + person1.name);  
 System.out.println("Age:" + person1.age);  
  
 *///////////////////////////////////////////////* input.nextLine();  
   
 Person person2 = new Person();   
 System.out.println("\nEnter name: ");  
 person2.name = input.nextLine();  
  
 System.out.println("Enter age:");  
 person2.age = input.nextInt();  
  
 System.out.println("Name:" + person2.name);  
 System.out.println("Age:" + person2.age);  
  
 }  
  
}

**Person1.java**

import java.util.Scanner;  
  
*/\*  
 N number of Person object creation with Loop  
 \*/*public class Person1 {  
  
 String name;  
 int age;  
   
 public static void main(String[] agrs) {  
 Scanner input = new Scanner(System.in);  
 int i;  
 System.out.println("Enter how many person you want to insert: ");  
 int n = input.nextInt();  
  
 input.nextLine();  
  
 Person1[] person = new Person1[n];  
  
 System.out.println("Enter Information");  
   
 for (i = 0; i < n; i++) {  
 person[i] = new Person1();  
  
 System.out.println("Enter name: ");  
 person[i].name = input.nextLine();  
 System.out.println("Enter age: ");  
 person[i].age = input.nextInt();  
 input.nextLine();  
 }  
  
 System.out.println("\n\*\*The information of Persons\*\*");  
  
 for (i = 0; i < n; i++) {  
 System.out.println("Name: " + person[i].name);  
 System.out.println("age: " + person[i].age);  
 }  
  
 }  
  
}

**person2.java**

import java.util.Scanner;  
  
public class Person2 {  
  
 String name;  
 int age;  
  
 public void insertValue() {  
 Scanner input = new Scanner(System.in);  
 System.out.println("Enter name: ");  
 name = input.nextLine();  
  
 System.out.println("Enter age: ");  
 age = input.nextInt();  
 }  
  
 public void displayValue() {  
 System.out.println("Name: " + name);  
 System.out.println("Age: " + age);  
 }  
  
 public static void main(String[] args) {  
  
 Scanner input = new Scanner(System.in);  
  
 Person2 person1 = new Person2();  
 person1.insertValue();  
 person1.displayValue();  
  
 */////////////////////////////////////////* Person2 person2 = new Person2();  
 person2.insertValue();  
 person2.displayValue();  
  
 */////////////////////////////////////////* Person2 person3 = new Person2();  
 person3.insertValue();  
 person3.displayValue();  
  
 }  
}

**Person3.java**

import java.util.Scanner;  
  
  
public class Person3 {  
 String name;  
 int age;  
  
 public void insertValue() {  
 Scanner input = new Scanner(System.in);  
 System.out.println("Enter name: ");  
 this.name = input.nextLine();  
 System.out.println("Enter age: ");  
 this.age = input.nextInt();  
 }  
  
 public void displayValue() {  
 System.out.println("\*Information of Person\*");  
 System.out.println("Name: " + this.name);  
 System.out.println("Age: " + this.age);  
 }  
  
 public static void main(String[] agrs) {  
 Scanner input = new Scanner(System.in);  
 int i;  
 System.out.println("Enter how many person you want to insert: ");  
 int n = input.nextInt();  
  
 input.nextLine();  
  
 Person3[] person = new Person3[n];  
  
 System.out.println("Enter Information");  
 for (i = 0; i < n; i++) {  
 person[i] = new Person3();  
 person[i].insertValue();  
 }  
  
 System.out.println("\nThe information of Persons");  
  
 for (i = 0; i < n; i++) {  
 person[i].displayValue();  
 }  
  
 }  
}

**Person4.java**

import java.util.Scanner;  
  
public class Person4 {  
  
 String name;  
 int age;  
  
 public void insertValue(String sName, int sAge) {  
  
 this.name = sName;  
 this.age = sAge;  
 }  
  
 public void displayValue() {  
 System.out.println("Name: " + name);  
 System.out.println("age: " + age);  
 }  
  
 public static void main(String[] agrs) {  
  
 Scanner input = new Scanner(System.in);  
 int i, n;  
  
 System.out.println("Enter how many Person you want to insert: ");  
  
 n = input.nextInt();  
 Person4[] person = new Person4[n];  
  
 System.out.println("\nEnter Information of Persons.");  
  
 for (i = 0; i < n; i++) {  
 person[i] = new Person4();  
  
 input.nextLine();  
 System.out.println("Enter name: ");  
 String sName = input.nextLine();  
  
 System.out.println("Enter age:");  
 int sAge = input.nextInt();  
  
 person[i].insertValue(sName, sAge);  
 }  
  
 System.out.println("\nInformation of Persons.");  
 for (i = 0; i < n; i++) {  
 person[i].displayValue();  
 }  
  
 }  
  
}

**PersonSerachDelete.java**

import java.util.Scanner;  
  
public class PersonSerachDelete {  
  
 String name;  
 int age;  
  
 public void insertValue(String name, int b) {  
 this.name = name;  
 this.age = b;  
 }  
  
 public void displayValue() {  
 System.out.println("Name:" + name);  
 System.out.println("Age:" + age +"\n");  
 }  
  
 public void searchValue(PersonSerachDelete[] person, String searchName, int n) {  
 int i, indx = 0;  
 int flag = 0;  
 for (i = 0; i < n; i++) {  
 if (person[i].name.equalsIgnoreCase(searchName)) {  
 flag = 1;  
 indx = i;  
 *//break;* }  
  
 }  
  
 if (flag == 1) {  
 System.out.println("Name found at Index " + indx);  
 } else if (flag == 0) {  
 System.out.println("Name not found");  
 }  
 }  
  
 public static void main(String[] agrs) {  
  
 Scanner input = new Scanner(System.in);  
 System.out.println("Enter Person Number: ");  
 int n = input.nextInt();  
 input.nextLine();  
  
 PersonSerachDelete[] person = new PersonSerachDelete[n];  
  
 for (int i = 0; i < n; i++) {  
 person[i] = new PersonSerachDelete();  
  
 System.out.println("Enter Name: ");  
 String pName = input.nextLine();  
  
 System.out.println("Enter Age:");  
 int pAge = input.nextInt();  
 input.nextLine();  
  
 person[i].insertValue(pName, pAge);  
 }  
  
 System.out.println("\nInformation of Persons.");  
 for (int i = 0; i < n; i++) {  
 person[i].displayValue();  
 }  
  
 *////Seaarch Person ///////* System.out.println("\nEnter name you want to search: ");  
 String searchName = input.nextLine();  
  
 PersonSerachDelete obj = new PersonSerachDelete();  
 obj.searchValue(person, searchName, n);  
  
 *////Delete Person ///////* System.out.println("\nEnter index number you want to delete: ");  
 int delIndex = input.nextInt();  
 person[delIndex] = null;  
  
 System.out.println("\nInformation of Persons after deletion");  
 for (int i = 0; i < n; i++) {  
 if (person[i] != null) {  
 person[i].displayValue();  
 }  
 }  
  
 }  
  
}