Week 4

import java.util.ArrayList;  
import java.util.HashMap;  
import java.util.Map;  
import java.util.Scanner;  
  
  
class Guest  
{  
 String name="";  
 int age=0;  
 Guest(String name,int age)  
 {  
 this.name=name;  
 this.age=age;  
 }  
}  
public class main2  
{  
 static Map<Integer,ArrayList<Guest>> *user\_Entry*=new HashMap<>();  
 static int *user\_id*=0;  
 public static void add()  
 {  
 Scanner sc=new Scanner(System.*in*);  
 int member=0;  
 if(*user\_id*==0)  
 {  
 *user\_id*=1;  
 }  
 else {  
 *user\_id*++;  
 }  
 System.*out*.println("-------------------------------------------------------------");  
 System.*out*.println("\tEnter the Below Details to Complete the Registration");  
 System.*out*.println("-------------------------------------------------------------");  
 System.*out*.println("Enter the no of members: ");  
 member=sc.nextInt();  
  
 if(!*user\_Entry*.containsKey(*user\_id*))  
 {  
 *user\_Entry*.put(*user\_id*,new ArrayList<>());  
 for (int i = 0; i < member; i++) {  
 String name = "";  
 int age = 0;  
  
 System.*out*.println("Enter the member " + (i + 1) + " name: ");  
 name = sc.next();  
  
 System.*out*.println("Enter the age: ");  
 age = sc.nextInt();  
 sc.nextLine();  
  
 Guest g = new Guest(name, age);  
  
 *user\_Entry*.get(*user\_id*).add(g);  
 }  
  
 }  
 else  
 {  
 System.*out*.println("\t\t\tAlready Registered");  
 }  
  
 System.*out*.println("#############################################################");  
 System.*out*.println("\t\tYou have been Registered with id "+*user\_id*);  
 System.*out*.println("\t\tPlease Remember it");  
 System.*out*.println("#################################1############################");  
 }  
 public static void delete()  
 {  
 Scanner sc=new Scanner(System.*in*);  
  
 int id=0;  
 System.*out*.println("Enter your registered id:");  
 id=sc.nextInt();  
  
 if(!*user\_Entry*.containsKey(id))  
 {  
 System.*out*.println("Not Registered with this id");  
 }  
 else  
 {  
 *user\_Entry*.remove(id);  
 System.*out*.println("Registration Cancled");  
 }  
  
 }  
 public static void display()  
 {  
 Scanner sc=new Scanner(System.*in*);  
  
 int id=0;  
 System.*out*.println("Enter your registered id:");  
 id=sc.nextInt();  
  
 if(!*user\_Entry*.containsKey(id))  
 {  
 System.*out*.println("Not Registered with this id");  
 }  
 else  
 {  
 ArrayList<Guest> l=*user\_Entry*.get(id);  
 System.*out*.println("####################################################");  
 for(Guest i:l)  
 {  
 System.*out*.println("Name: "+i.name+" Age: "+i.age);  
 }  
 System.*out*.println("#####################################################");  
 }  
 }  
  
 public static void main(String[] args)  
 {  
 int choice=0;  
 Scanner sc=new Scanner(System.*in*);  
 do  
 {  
 System.*out*.println("\n 1.Make a Reservation\n 2.View All Reservation\n 3.Cancel a Reservation\n");  
 System.*out*.println("Enter your choice: ");  
 choice=sc.nextInt();  
 switch(choice){  
 case 1:{  
 *add*();  
 break;  
 }  
 case 2: *display*();  
 break;  
 case 3: *delete*();  
 break;  
 }  
 }while(choice<=3);  
  
 }  
}