

Experiment-1

Name = Aryan Thaploo

Batch: B2

Branch: ENTC

Roll No: 32

Division = ET-A

ProblemStatement

AVITM elange committee is conducting audition to admit interested candidates. You need to implement a Participant class for the dance club based on the class diagram and description given below.

C-Participants
<ul style="list-style-type: none">• <u>counter:int</u>• registrationId:String• name:String• contactNumber:long• branch:String
<ul style="list-style-type: none">○ CParticipant(name:String,contactNumber:long,branch:String)○ getRegistrationId():String○ <u>getCounter():int</u>○ <u>setCounter(counter:int):void</u>○ getName():String○ setName(name:String):void○ getContactNumber():long○ setContactNumber(contactNumber:long):void○ getBranch():String○ setBranch(branch:String):void

MethodDescription

Participant(Stringname,longcontactNumber,Stringbranch)

- Initialize the name, contactNumber and branch instance variables appropriately with the values passed to the constructor.
- Generate the registrationId using the static variable counter.
- The value of registrationId should start from 'D1001' and then the numerical part should be incremented by 1 for the subsequent values.
- Initialize the counter in static block.

Implement the appropriate getter and setter methods.

Test the functionalities using the provided Tester class. Create two or more Participant objects and validate that the values of the member variables are proper.

Sample Input and OutputForconstruct

or

Input

ForfirstParticipantobject

Parameters	Values
name	Rohit
contactNumber	1234567889
branch	Computer

ForsecondParticipantobject

Parameters	Values
name	Sayli
contactNumber	1988612300
branch	Mechanical

ExpectedOutput

```
HiRohit!YourregistrationidisD1001HiS  
ayli!Yourregistrationid isD1002
```

Code:

```
//Experiment 1  
//Roll no 32  
//Batch b2  
public class Melange  
{  
    static int counter;  
    String registrationId;  
    String name;  
    long contactNumber;  
    String branch;  
    static  
    {  
        counter=1001;  
    }  
    Melange(String name, long contactNumber, String branch)  
    {  
        this.name=name;  
        this.branch=branch;
```

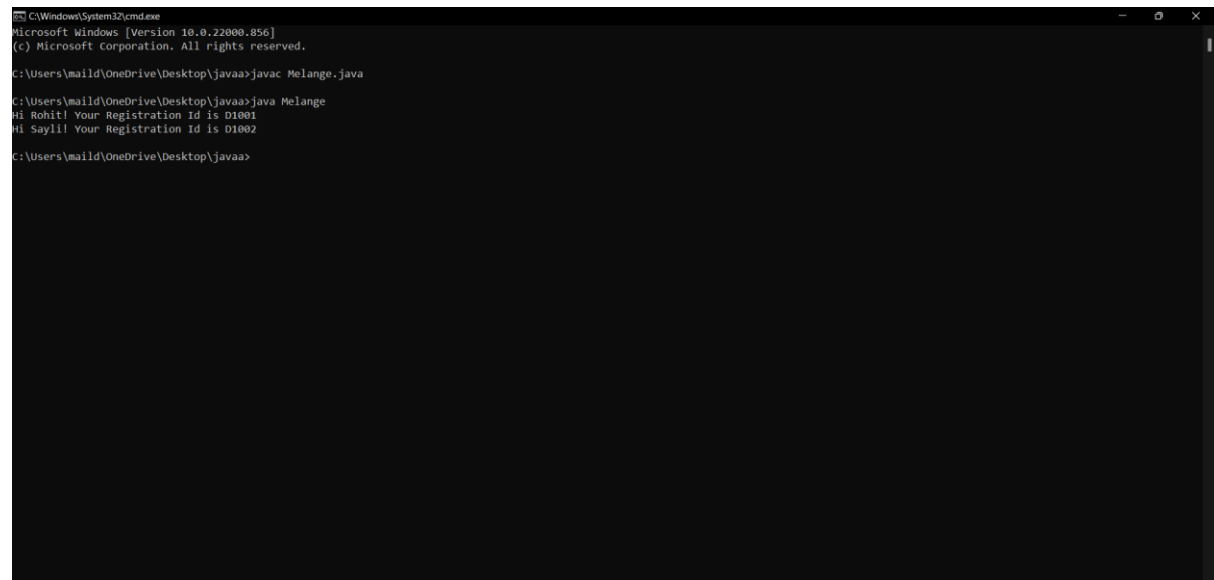
```

this.contactNumber=contactNumber;
this.registrationId="D"+counter;
Melange.counter++;
    }
    public String getname()
    {
        return name;
    }
    public void setName(String name)
    {
        this.name=name;
    }
    public String getbranch()
    {
        return branch;
    }
    public void setbranch()
    {
this.branch=branch;
    }
    public String getregistrationId()
    {
        return registrationId;
    }
    public long getcontactNumber()
    {
        return contactNumber;
    }
    public void setcontactNumber(long contactNumber)
    {
this.contactNumber=contactNumber;
    }
    public int getcounter()
    {
        return counter;
    }
    public static void setcounter(int counter)
    {
Melange.counter=counter;
    }
    public static void main(String[]args)
    {
Melange student1 = new Melange("Rohit", 9865239810L, "Computer");
Melange student2 = new Melange("Sayli", 9568483025L, "Mechanical");
System.out.println("Hi "+student1.getname()+"! Your Registration Id is
"+student1.getregistrationId());
        System.out.println("Hi "+student2.getname()+"! Your Registration

```

```
Id is "+student2.getregistrationId());  
    }  
}
```

Result:



```
C:\Windows\System32\cmd.exe  
Microsoft Windows [Version 10.0.22000.856]  
(c) Microsoft Corporation. All rights reserved.  
  
C:\Users\maild\OneDrive\Desktop\javaaa>javac Melange.java  
  
C:\Users\maild\OneDrive\Desktop\javaaa>java Melange  
Hi Rohit! Your Registration Id is D1001  
Hi Sayli! Your Registration Id is D1002  
  
C:\Users\maild\OneDrive\Desktop\javaaa>
```