

```

1 You are given a list of Students as StudentList,
2 Your task is to print the name of all departments in the college?
3
4 Sample Output:
5 -----
6 Humanities and Sciences
7 Computer Science
8 Information Technology
9 Artificial Intelligence
10
11
12
13 The Student class looks like this:
14 -----
15 class Student
16 {
17     int id;
18     String name;
19     int age;
20     String gender;
21     String department;
22     int yearOfJoining;
23
24     public Student(int id, String name, int age, String gender, String department, int yearOfJoining )
25     {
26         this.id = id;
27         this.name = name;
28         this.age = age;
29         this.gender = gender;
30         this.department = department;
31         this.yearOfJoining = yearOfJoining;
32     }
33
34     public int getId()
35     {
36         return id;
37     }
38
39     public String getName()
40     {
41         return name;
42     }
43
44     public int getAge()
45     {
46         return age;
47     }
48
49     public String getGender()
50     {
51         return gender;
52     }
53
54     public String getDepartment()
55     {
56         return department;
57     }
58
59     public int getYearOfJoining()
60     {
61         return yearOfJoining;
62     }
63
64     @Override
65     public String toString()
66     {
67         return "Id : "+id
68             +", Name : "+name
69             +", Age : "+age
70             +", Gender : "+gender
71             +", Department : "+department
72             +", Year Of Joining : "+yearOfJoining;
73     }
74 }
```

Solution.java

```

1 class Solution{
2     public void namesOfDepartments(List<Student> StudentList){
3         //Implement your code here
4     }
5 }
```

Execution files

vpl_evaluate.cases

```

1 case =1
2 output =Humanities and Sciences
3 Computer Science
4 Information Technology
5 Artificial Intelligence
6 Cyber Security
7 Machine Learning|
8
```

Main.java

```

1 import java.util.*;
2 import java.util.stream.Collectors;
3 class Main{
4 public static void main(String args[]){
5     List<Student> StudentList = new ArrayList<Student>();
6     StudentList.add(new Student(111, "Jiya Brein", 32, "Female", "Humanities and Sciences", 2011));
7     StudentList.add(new Student(122, "Paul Niksui", 25, "Male", "Computer Science", 2015));
8     StudentList.add(new Student(133, "Martin Theron", 29, "Male", "Information Technology", 2012));
9     StudentList.add(new Student(144, "Murali Gowda", 28, "Male", "Artificial Intelligence", 2014));
10    StudentList.add(new Student(155, "Nima Roy", 27, "Female", "Humanities and Sciences", 2013));
11    StudentList.add(new Student(166, "Iqbal Hussain", 43, "Male", "Cyber Security", 2016));
12    StudentList.add(new Student(177, "Manu Sharma", 35, "Male", "Machine Learning", 2010));
13    StudentList.add(new Student(188, "Wang Liu", 31, "Male", "Artificial Intelligence", 2015));
14    StudentList.add(new Student(199, "Amelia Zoe", 24, "Female", "Computer Science", 2016));
15    StudentList.add(new Student(200, "Jaden Dough", 38, "Male", "Cyber Security", 2015));
16    StudentList.add(new Student(211, "Jasna Kaur", 27, "Female", "Information Technology", 2014));
17    StudentList.add(new Student(222, "Nitin Joshi", 25, "Male", "Artificial Intelligence", 2016));
18    StudentList.add(new Student(233, "Jyothi Reddy", 27, "Female", "Machine Learning", 2013));
19    StudentList.add(new Student(244, "Nicolus Den", 24, "Male", "Computer Science", 2017));
20    StudentList.add(new Student(255, "Ali Baig", 23, "Male", "Information Technology", 2018));
21    StudentList.add(new Student(266, "Sanvi Pandey", 26, "Female", "Artificial Intelligence", 2015));
22    StudentList.add(new Student(277, "Anuj Chettiar", 31, "Male", "Artificial Intelligence", 2012));
23
24    new Solution().namesOfDepartements(StudentList);
25 }
26 }
```

Student.java

```

1 class Student
2 {
3     int id;
4
5     String name;
6
7     int age;
8
9     String gender;
10
11    String department;
12
13    int yearOfJoining;
14
15    public Student(int id, String name, int age, String gender, String department, int yearOfJoining )
16    {
17        this.id = id;
18        this.name = name;
19        this.age = age;
20        this.gender = gender;
21        this.department = department;
22        this.yearOfJoining = yearOfJoining;
23    }
24
25    public int getId()
26    {
27        return id;
28    }
29
30    public String getName()
31    {
32        return name;
33    }
34
35    public int getAge()
36    {
37        return age;
38    }
39
40    public String getGender()
41    {
42        return gender;
43    }
44
45    public String getDepartment()
46    {
47        return department;
48    }
49
50    public int getYearOfJoining()
51    {
52        return yearOfJoining;
53    }
54
55
56    @Override
57    public String toString()
58    {
59        return "Id : "+id
60                +", Name : "+name
61                +", Age : "+age
62                +", Gender : "+gender
63                +", Department : "+department
64                +", Year Of Joining : "+yearOfJoining;
65    }
66 }
```