

| | | |
|----|--|--|
| 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 | Humanties 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 namesOfDepartements(List<Student> StudentList){ | |
| 3 | //Implement your code here | |
| 4 | } | |
| 5 | } | |

Execution files

vpl_evaluate.cases

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

```