

```

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

```

Solution.java

```

1 class Solution{
2     public Map<String, Long> numOfMaleAndFemaleStudents(List<Student> StudentList){
3         //Implement your code here
4     }
5 }

```

Execution files

vpl_evaluate.cases

```

1 case =1
2 output ={Male=11, Female=6}
3

```

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        System.out.println(new Solution().numOfMaleAndFemaleStudents(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 }

```