Lab2\_1

|  |
| --- |
| import java.util.Scanner; |
|  |

|  |
| --- |
| public class Lab2\_1 { |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| public static void main(String[] args) { |
|  |

|  |
| --- |
| // TODO Auto-generated method stub |
|  |

|  |
| --- |
| String fname,lname; |
|  |

|  |
| --- |
| char gen; |
|  |

|  |
| --- |
| int age; |
|  |

|  |
| --- |
| double weight; |
|  |

|  |
| --- |
| Scanner s=new Scanner(System.in); |
|  |

|  |
| --- |
| System.out.println("Enter First Name: "); |
|  |

|  |
| --- |
| fname=s.nextLine(); |
|  |

|  |
| --- |
| System.out.println("Enter Last Name: "); |
|  |

|  |
| --- |
| lname=s.nextLine(); |
|  |

|  |
| --- |
| System.out.println("Enter Gender (M/F): "); |
|  |

|  |
| --- |
| gen=s.next().charAt(0); |
|  |

|  |
| --- |
| System.out.println("Enter Age: "); |
|  |

|  |
| --- |
| age=s.nextInt(); |
|  |

|  |
| --- |
| System.out.println("Enter Weight: "); |
|  |

|  |
| --- |
| weight=s.nextDouble(); |
|  |

|  |
| --- |
| System.out.println("First Name: "+fname+"\n"); |
|  |

|  |
| --- |
| System.out.println("Last Name: "+lname+"\n"); |
|  |

|  |
| --- |
| System.out.println("Gender: "+gen+"\n"); |
|  |

|  |
| --- |
| System.out.println("Age: "+age+"\n"); |
|  |

|  |
| --- |
| System.out.println("Weight: "+weight+"\n"); |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
| /\*OUTPUT |
|  |

|  |
| --- |
| Enter First Name: |
|  |

|  |
| --- |
| Sushil |
|  |

|  |
| --- |
| Enter Last Name: |
|  |

|  |
| --- |
| Singh |
|  |

|  |
| --- |
| Enter Gender (M/F): |
|  |

|  |
| --- |
| M |
|  |

|  |
| --- |
| Enter Age: |
|  |

|  |
| --- |
| 22 |
|  |

|  |
| --- |
| Enter Weight: |
|  |

|  |
| --- |
| 70 |
|  |

|  |
| --- |
| First Name: Sushil |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| Last Name: Singh |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| Gender: M |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| Age: 22 |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| Weight: 70.0 |
|  |

\*/

Lab2\_2

|  |
| --- |
| public class Lab2\_2 { |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| public static void main(String[] args) { |
|  |

|  |
| --- |
| // TODO Auto-generated method stub |
|  |

|  |
| --- |
| int n; |
|  |

|  |
| --- |
| n = Integer.parseInt(args[0]); |
|  |

|  |
| --- |
| if (n > 0) { |
|  |

|  |
| --- |
| System.out.println(args[0] + " is a Positive Number."); |
|  |

|  |
| --- |
| } else if (n < 0) { |
|  |

|  |
| --- |
| System.out.println(args[0] + " is a Negative Number."); |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
| else { |
|  |

|  |
| --- |
| System.out.println("You have entered zero."); |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
| /\* |
|  |

|  |
| --- |
| OUTPUT |
|  |

|  |
| --- |
| 3 is a Positive Number. |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| -3 is a Negative Number. |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| You have entered zero. |
|  |

\*/

|  |  |  |
| --- | --- | --- |
|  | [Lab2\_3\_Person.java](https://github.com/sushilsingh23/JEEFullStack/blob/master/Lab%20Assignments/Lab%202/Lab2_3/src/Person/Lab2_3_Person.java) | |
| package Person; | |
|  | |

|  |
| --- |
|  |
|  |

|  |
| --- |
| public class Lab2\_3\_Person { |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| // TODO Auto-generated method stub |
|  |

|  |
| --- |
| String firstName; |
|  |

|  |
| --- |
| String lastName; |
|  |

|  |
| --- |
| char gender; |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| public String getFirstName() { |
|  |

|  |
| --- |
| return firstName; |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
| public void setFirstName(String firstName) { |
|  |

|  |
| --- |
| this.firstName = firstName; |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
| public String getLastName() { |
|  |

|  |
| --- |
| return lastName; |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
| public void setLastName(String lastName) { |
|  |

|  |
| --- |
| this.lastName = lastName; |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
| public char getGender() { |
|  |

|  |
| --- |
| return gender; |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
| public void setGender(char gender) { |
|  |

|  |
| --- |
| this.gender = gender; |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| public Lab2\_3\_Person() { |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| public Lab2\_3\_Person(String firstName, String lastName, char gender) { |
|  |

|  |
| --- |
| super(); |
|  |

|  |
| --- |
| this.firstName = firstName; |
|  |

|  |
| --- |
| this.lastName = lastName; |
|  |

|  |
| --- |
| this.gender = gender; |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
|  |
|  |

}

[Lab2\_3\_PersonMain.java](https://github.com/sushilsingh23/JEEFullStack/blob/master/Lab%20Assignments/Lab%202/Lab2_3/src/Person/Lab2_3_PersonMain.java)

|  |
| --- |
| package Person; |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| public class Lab2\_3\_PersonMain { |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| public static void main(String[] args) { |
|  |

|  |
| --- |
| // TODO Auto-generated method stub |
|  |

|  |
| --- |
| Lab2\_3\_Person p = new Lab2\_3\_Person("Sushil", "Singh", 'M'); |
|  |

|  |
| --- |
| System.out.println("First Name: " + p.getFirstName() + "\n"); |
|  |

|  |
| --- |
| System.out.println("Last Name: " + p.getLastName() + "\n"); |
|  |

|  |
| --- |
| System.out.println("Gender: " + p.getGender() + "\n"); |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
|  |
|  |

}

[Lab2\_4\_Person.java](https://github.com/sushilsingh23/JEEFullStack/blob/master/Lab%20Assignments/Lab%202/Lab2_4/src/Person/Lab2_4_Person.java)

|  |
| --- |
| package Person; |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| public class Lab2\_4\_Person { |
|  |

|  |
| --- |
| String firstName; |
|  |

|  |
| --- |
| String lastName; |
|  |

|  |
| --- |
| char gender; |
|  |

|  |
| --- |
| String phone; |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| public Lab2\_4\_Person() { |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| public Lab2\_4\_Person(String firstName, String lastName, char gender, String phone) { |
|  |

|  |
| --- |
| super(); |
|  |

|  |
| --- |
| this.firstName = firstName; |
|  |

|  |
| --- |
| this.lastName = lastName; |
|  |

|  |
| --- |
| this.gender = gender; |
|  |

|  |
| --- |
| this.phone = phone; |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| public String getFirstName() { |
|  |

|  |
| --- |
| return firstName; |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| public void setFirstName(String firstName) { |
|  |

|  |
| --- |
| this.firstName = firstName; |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| public String getLastName() { |
|  |

|  |
| --- |
| return lastName; |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| public void setLastName(String lastName) { |
|  |

|  |
| --- |
| this.lastName = lastName; |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| public char getGender() { |
|  |

|  |
| --- |
| return gender; |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| public void setGender(char gender) { |
|  |

|  |
| --- |
| this.gender = gender; |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| public String getPhone() { |
|  |

|  |
| --- |
| return phone; |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| public void setPhone(String phone) { |
|  |

|  |
| --- |
| //BigInteger b= BigInteger.valueOf(phone); |
|  |

|  |
| --- |
| this.phone = phone; |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
|  |
|  |

}

|  |  |
| --- | --- |
|  | [Lab2\_4\_PersonMain.java](https://github.com/sushilsingh23/JEEFullStack/blob/master/Lab%20Assignments/Lab%202/Lab2_4/src/Person/Lab2_4_PersonMain.java) |
| |  | | --- | | package Person; | |  |  |  | | --- | |  | |  |  |  | | --- | | public class Lab2\_4\_PersonMain { | |  |  |  | | --- | |  | |  |  |  | | --- | | public void addDetails() { | |  |  |  | | --- | | Lab2\_4\_Person p1 = new Lab2\_4\_Person(); | |  |  |  | | --- | | p1.setFirstName("Sushil"); | |  |  |  | | --- | | p1.setLastName("Singh"); | |  |  |  | | --- | | p1.setGender('M'); | |  |  |  | | --- | | p1.setPhone("9854121354"); | |  |  |  | | --- | | } | |  |  |  | | --- | |  | |  |  |  | | --- | | public void showDetails() { | |  |  |  | | --- | | Lab2\_4\_Person p1 = new Lab2\_4\_Person("Sushil", "Singh", 'M', "9514236521"); | |  |  |  | | --- | | System.out.println("First Name: " + p1.getFirstName() + "\n"); | |  |  |  | | --- | | System.out.println("Last Name: " + p1.getLastName() + "\n"); | |  |  |  | | --- | | System.out.println("Gender: " + p1.getGender() + "\n"); | |  |  |  | | --- | | System.out.println("Gender: " + p1.getPhone() + "\n"); | |  |  |  | | --- | |  | |  |  |  | | --- | | } | |  |  |  | | --- | |  | |  |  |  | | --- | | public static void main(String[] args) { | |  |  |  | | --- | | // TODO Auto-generated method stub | |  |  |  | | --- | | Lab2\_4\_PersonMain p = new Lab2\_4\_PersonMain(); | |  |  |  | | --- | |  | |  |  |  | | --- | | p.addDetails(); | |  |  |  | | --- | | p.showDetails(); | |  |  |  | | --- | |  | |  |  |  | | --- | | } | |  |  |  | | --- | |  | |  |   } |  |

[Lab2\_5\_Gender.java](https://github.com/sushilsingh23/JEEFullStack/blob/master/Lab%20Assignments/Lab%202/Lab2_5/src/Person/Lab2_5_Gender.java)

|  |
| --- |
| package Person; |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| public enum Lab2\_5\_Gender { |
|  |

|  |
| --- |
| Male('M'), |
|  |

|  |
| --- |
| Female('F'); |
|  |

|  |
| --- |
| private char gender; |
|  |

|  |
| --- |
| Lab2\_5\_Gender(char gender) { |
|  |

|  |
| --- |
| this.gender = gender; |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
| public char getGender() { |
|  |

|  |
| --- |
| return gender; |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
| public void setGender(char gender) { |
|  |

|  |
| --- |
| this.gender = gender; |
|  |

|  |
| --- |
| } |
|  |

}

[Lab2\_5\_Person.java](https://github.com/sushilsingh23/JEEFullStack/blob/master/Lab%20Assignments/Lab%202/Lab2_5/src/Person/Lab2_5_Person.java)

|  |
| --- |
| package Person; |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| import Person.Lab2\_5\_PersonMain.Gender; |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| public class Lab2\_5\_Person { |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| String firstName; |
|  |

|  |
| --- |
| String lastName; |
|  |

|  |
| --- |
| Gender gender; |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| String phone; |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| public Lab2\_5\_Person() { |
|  |

|  |
| --- |
| super(); |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| public Lab2\_5\_Person(String firstName, String lastName, Gender gender, String phone) { |
|  |

|  |
| --- |
| super(); |
|  |

|  |
| --- |
| this.firstName = firstName; |
|  |

|  |
| --- |
| this.lastName = lastName; |
|  |

|  |
| --- |
| this.gender = gender; |
|  |

|  |
| --- |
| this.phone = phone; |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| public String getFirstName() { |
|  |

|  |
| --- |
| return firstName; |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| public void setFirstName(String firstName) { |
|  |

|  |
| --- |
| this.firstName = firstName; |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| public String getLastName() { |
|  |

|  |
| --- |
| return lastName; |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| public void setLastName(String lastName) { |
|  |

|  |
| --- |
| this.lastName = lastName; |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| public Gender getGender() { |
|  |

|  |
| --- |
| return gender; |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| public void setGender(Gender gender) { |
|  |

|  |
| --- |
| this.gender = gender; |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| public String getPhone() { |
|  |

|  |
| --- |
| return phone; |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| public void setPhone(String phone) { |
|  |

|  |
| --- |
| //BigInteger b= BigInteger.valueOf(phone); |
|  |

|  |
| --- |
| this.phone = phone; |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
|  |
|  |

}

|  |  |  |
| --- | --- | --- |
|  | [Lab2\_5\_PersonMain.java](https://github.com/sushilsingh23/JEEFullStack/blob/master/Lab%20Assignments/Lab%202/Lab2_5/src/Person/Lab2_5_PersonMain.java) | |
| package Person; | |
|  | |

|  |
| --- |
|  |
|  |

|  |
| --- |
| public class Lab2\_5\_PersonMain { |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| public void Details() { |
|  |

|  |
| --- |
| Lab2\_5\_Person p1 = new Lab2\_5\_Person("Sushil", "Singh", Gender.M, "9514236521"); |
|  |

|  |
| --- |
| System.out.println("First Name: " + p1.getFirstName() + "\n"); |
|  |

|  |
| --- |
| System.out.println("Last Name: " + p1.getLastName() + "\n"); |
|  |

|  |
| --- |
| System.out.println("Gender: " + p1.getGender() + "\n"); |
|  |

|  |
| --- |
| System.out.println("Phone: " + p1.getPhone() + "\n"); |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
| public enum Gender{ |
|  |

|  |
| --- |
| M,F; |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
| public static void main(String[] args) { |
|  |

|  |
| --- |
| // TODO Auto-generated method stub |
|  |

|  |
| --- |
| Lab2\_5\_PersonMain p = new Lab2\_5\_PersonMain(); |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| p.Details(); |
|  |

|  |
| --- |
|  |
|  |

|  |
| --- |
| } |
|  |

|  |
| --- |
|  |
|  |

}