Assignment:

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2.1 Write a java program to print person details in the format as shown below:

Person Details:

\_\_\_\_\_\_\_\_\_\_\_\_

First Name: Divya

Last Name: Bharathi

Gender: F

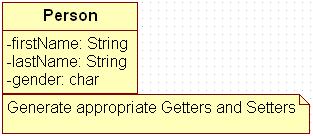
Age: 20

Weight: 85.55

**Figure 12: Sample output of Person details**

2.2: Write a program to accept a number from user as a command line argument and check whether the given number is positive or negative number.

2.3: Refer the class diagram given below and createa personclass.



**Figure 13: Class Diagram of Person**

Create default and parameterized constructor for Person class.

Also Create “PersonMain.java” program and write code for following operations:

1. Create an object of Person class and specify person details through constructor.
2. Display the details in the format given in Lab assignment 2.1

2.4: Modify Lab assignment 2.3 to accept phone number of a person. Create a newmethod to implement the same and also define method for displaying persondetails.

2.5: Modify the above program, to accept only ‘M’ or ‘F’ as gender field values. Use Enumeration for implementing the same.

**Problem Statement/ Case Study (If applicable)**

1. **Bank Account Management System:**
   * Funds Bank needs an application to feed new Account Holder information. AccountHolder will be a person. There are two types of accounts such as SavingsAccount, CurrentAccount.
2. **Employee Medical Insurance Scheme:**
   * By default, all employees in an organization will be assigned with a medical insurance scheme based on the salary range and designation of the employee. Refer the below given table to find the eligible insurance scheme specific to an employee.

|  |  |  |
| --- | --- | --- |
| **Salary** | **Designation** | **Insurance scheme** |
| >5000 and < 20000 | System Associate | Scheme C |
| >=20000 and <40000 | Programmer | Scheme B |
| >=40000 | Manager | Scheme A |
| <5000 | Clerk | No Scheme |