```
public class Patient { // make this a derived class of Person
    /* In addition to the attributes of a Person, a Patient has
       a patient ID number and a primary care provider
    */
    /*
       create a default constructor and a constructor that
       sets the value of the patient's name, gender, birthdate, and
    patient id number
*/
    // put get and set methods for each attribute of Patient here
    public void writeOutput()
    {
        /*
           The writeOutput() method for a Patient should print values
           related to the patient attributes in addition to the original
           statements from the parent Person class, e.g.:
Ms. Mona Chang is 20 years and 5 months old.
           Her primary care physician is Dr. Corbin Dallas and
           her patient ID number is 00-55-1212.
        */
    }
}
public class Person {
    private String firstName;
    private String lastName;
    private String gender;
    private GregorianCalendar dateOfBirth;
    Person()
    ł
        // set all instance variables to null
    }
    Person(String fName, String lName, String gdr, GregorianCalendar
dob)
    {
        // set values of each instance variable
    }
    \ensuremath{\prime\prime}\xspace put get and set methods for each attribute here
    public void writeOutput()
    ł
        /* Print details about the person as follows:
           For a person with first name Mona, last name Chang, whose gender
            is female, and date of birth is April 15th 1981, writeOutput()
            should print the following:
           Ms. Mona Chang is 20 years and 5 months old.
           This implies that a person's title (Mr. or Ms.) in writeOutput()
           depends on his/her gender.
        */
    }
}
public class Physician { // make this a derived class of Person
    /* In addition to the attributes of a Person, a Physician has
       an array of at most 15 patients, an array of at most 15
messages,
       and a specialty (e.g. surgeon, internist, neurologist, etc.)
    */
    /*
       create a default constructor and a constructor that
       sets the value of the Physician's name, gender, birthdate, and
       specialty
    */
    \prime\prime put get and set methods for each attribute of Physician here
    public void writeOutput()
    {
           The writeOutput() method for a Physician should print values
           related to the Physician's attributes and none from the original
           parent class e.g.:
           Dr. Corbin Dallas is a neurologist and cares for 20 patients
        */
    }
    public void addMessage(String msg)
        // add a message to the Physician's array of messages, making
        // sure that the total number of messages added does not exceed 15
    }
```

}

public class LabTest {

```
/*
   The writeOutput() method for a LabTest should print out the
   test's name, date and value
 */
}
```

}

```
public class LabTable {
```

/\* The Lab contains an array of all LabTests. Methods should be developed to add a LabTest into the LabTable and to get a LabTest using a Patient ID#. \*/

public void writeOutput()
{

```
/* This should print how many LabTests are in the table. */
```

```
}
}
```