



CODE FOR LIBRAIAN:

/\*\*

 \* Class librarian\_or\_admin

 \*/

public class librarian\_or\_admin {

  //

  // Fields

  //

  private void category\_details;

  private void book\_information;

  private void producer\_of\_protocol;

  private void store\_of\_collect\_the\_book\_borrower\_;

  private void keep\_db\_updated\_;

  //

  // Constructors

  //

  public librarian\_or\_admin () { };

  //

  // Methods

  //

  //

  // Accessor methods

  //

  /\*\*

   \* Set the value of category\_details

   \* @param newVar the new value of category\_details

   \*/

  private void setCategory\_details (void newVar) {

    category\_details = newVar;

  }

  /\*\*

   \* Get the value of category\_details

   \* @return the value of category\_details

   \*/

  private void getCategory\_details () {

    return category\_details;

  }

  /\*\*

   \* Set the value of book\_information

   \* @param newVar the new value of book\_information

   \*/

  private void setBook\_information (void newVar) {

    book\_information = newVar;

  }

  /\*\*

   \* Get the value of book\_information

   \* @return the value of book\_information

   \*/

  private void getBook\_information () {

    return book\_information;

  }

  /\*\*

   \* Set the value of producer\_of\_protocol

   \* @param newVar the new value of producer\_of\_protocol

   \*/

  private void setProducer\_of\_protocol (void newVar) {

    producer\_of\_protocol = newVar;

  }

  /\*\*

   \* Get the value of producer\_of\_protocol

   \* @return the value of producer\_of\_protocol

   \*/

  private void getProducer\_of\_protocol () {

    return producer\_of\_protocol;

  }

  /\*\*

   \* Set the value of store\_of\_collect\_the\_book\_borrower\_

   \* @param newVar the new value of store\_of\_collect\_the\_book\_borrower\_

   \*/

  private void setStore\_of\_collect\_the\_book\_borrower\_ (void newVar) {

    store\_of\_collect\_the\_book\_borrower\_ = newVar;

  }

  /\*\*

   \* Get the value of store\_of\_collect\_the\_book\_borrower\_

   \* @return the value of store\_of\_collect\_the\_book\_borrower\_

   \*/

  private void getStore\_of\_collect\_the\_book\_borrower\_ () {

    return store\_of\_collect\_the\_book\_borrower\_;

  }

  /\*\*

   \* Set the value of keep\_db\_updated\_

   \* @param newVar the new value of keep\_db\_updated\_

   \*/

  private void setKeep\_db\_updated\_ (void newVar) {

    keep\_db\_updated\_ = newVar;

  }

  /\*\*

   \* Get the value of keep\_db\_updated\_

   \* @return the value of keep\_db\_updated\_

   \*/

  private void getKeep\_db\_updated\_ () {

    return keep\_db\_updated\_;

  }

  //

  // Other methods

  //

}

CODE FOR LIBRARY DATABASE:

/\*\*

 \* Class library\_database

 \*/

public class library\_database {

  //

  // Fields

  //

  private void borrower\_details;

  private void book\_details;

  private void order\_stock\_details;

  private void borrower\_info\_;

  private void maintain\_book\_details\_;

  private void update\_stock\_details\_;

  //

  // Constructors

  //

  public library\_database () { };

  //

  // Methods

  //

  //

  // Accessor methods

  //

  /\*\*

   \* Set the value of borrower\_details

   \* @param newVar the new value of borrower\_details

   \*/

  private void setBorrower\_details (void newVar) {

    borrower\_details = newVar;

  }

  /\*\*

   \* Get the value of borrower\_details

   \* @return the value of borrower\_details

   \*/

  private void getBorrower\_details () {

    return borrower\_details;

  }

  /\*\*

   \* Set the value of book\_details

   \* @param newVar the new value of book\_details

   \*/

  private void setBook\_details (void newVar) {

    book\_details = newVar;

  }

  /\*\*

   \* Get the value of book\_details

   \* @return the value of book\_details

   \*/

  private void getBook\_details () {

    return book\_details;

  }

  /\*\*

   \* Set the value of order\_stock\_details

   \* @param newVar the new value of order\_stock\_details

   \*/

  private void setOrder\_stock\_details (void newVar) {

    order\_stock\_details = newVar;

  }

  /\*\*

   \* Get the value of order\_stock\_details

   \* @return the value of order\_stock\_details

   \*/

  private void getOrder\_stock\_details () {

    return order\_stock\_details;

  }

  /\*\*

   \* Set the value of borrower\_info\_

   \* @param newVar the new value of borrower\_info\_

   \*/

  private void setBorrower\_info\_ (void newVar) {

    borrower\_info\_ = newVar;

  }

  /\*\*

   \* Get the value of borrower\_info\_

   \* @return the value of borrower\_info\_

   \*/

  private void getBorrower\_info\_ () {

    return borrower\_info\_;

  }

  /\*\*

   \* Set the value of maintain\_book\_details\_

   \* @param newVar the new value of maintain\_book\_details\_

   \*/

  private void setMaintain\_book\_details\_ (void newVar) {

    maintain\_book\_details\_ = newVar;

  }

  /\*\*

   \* Get the value of maintain\_book\_details\_

   \* @return the value of maintain\_book\_details\_

   \*/

  private void getMaintain\_book\_details\_ () {

    return maintain\_book\_details\_;

  }

  /\*\*

   \* Set the value of update\_stock\_details\_

   \* @param newVar the new value of update\_stock\_details\_

   \*/

  private void setUpdate\_stock\_details\_ (void newVar) {

    update\_stock\_details\_ = newVar;

  }

  /\*\*

   \* Get the value of update\_stock\_details\_

   \* @return the value of update\_stock\_details\_

   \*/

  private void getUpdate\_stock\_details\_ () {

    return update\_stock\_details\_;

  }

  //

  // Other methods

  //

}

CODE FOR BOOK BORROWER :

/\*\*

 \* Class book\_borrower

 \*/

public class book\_borrower {

  //

  // Fields

  //

  private void generate\_details;

  private void book\_required;

  private void book\_issued;

  private void payment;

  private void inform\_book\_issue\_;

  private void intimate\_book\_required\_;

  //

  // Constructors

  //

  public book\_borrower () { };

  //

  // Methods

  //

  //

  // Accessor methods

  //

  /\*\*

   \* Set the value of generate\_details

   \* @param newVar the new value of generate\_details

   \*/

  private void setGenerate\_details (void newVar) {

    generate\_details = newVar;

  }

  /\*\*

   \* Get the value of generate\_details

   \* @return the value of generate\_details

   \*/

  private void getGenerate\_details () {

    return generate\_details;

  }

  /\*\*

   \* Set the value of book\_required

   \* @param newVar the new value of book\_required

   \*/

  private void setBook\_required (void newVar) {

    book\_required = newVar;

  }

  /\*\*

   \* Get the value of book\_required

   \* @return the value of book\_required

   \*/

  private void getBook\_required () {

    return book\_required;

  }

  /\*\*

   \* Set the value of book\_issued

   \* @param newVar the new value of book\_issued

   \*/

  private void setBook\_issued (void newVar) {

    book\_issued = newVar;

  }

  /\*\*

   \* Get the value of book\_issued

   \* @return the value of book\_issued

   \*/

  private void getBook\_issued () {

    return book\_issued;

  }

  /\*\*

   \* Set the value of payment

   \* @param newVar the new value of payment

   \*/

  private void setPayment (void newVar) {

    payment = newVar;

  }

  /\*\*

   \* Get the value of payment

   \* @return the value of payment

   \*/

  private void getPayment () {

    return payment;

  }

  /\*\*

   \* Set the value of inform\_book\_issue\_

   \* @param newVar the new value of inform\_book\_issue\_

   \*/

  private void setInform\_book\_issue\_ (void newVar) {

    inform\_book\_issue\_ = newVar;

  }

  /\*\*

   \* Get the value of inform\_book\_issue\_

   \* @return the value of inform\_book\_issue\_

   \*/

  private void getInform\_book\_issue\_ () {

    return inform\_book\_issue\_;

  }

  /\*\*

   \* Set the value of intimate\_book\_required\_

   \* @param newVar the new value of intimate\_book\_required\_

   \*/

  private void setIntimate\_book\_required\_ (void newVar) {

    intimate\_book\_required\_ = newVar;

  }

  /\*\*

   \* Get the value of intimate\_book\_required\_

   \* @return the value of intimate\_book\_required\_

   \*/

  private void getIntimate\_book\_required\_ () {

    return intimate\_book\_required\_;

  }

  //

  // Other methods

  //

}