```java
import static org.junit.jupiter.api.Assertions.*;
import org.junit.jupiter.api.AfterEach;
import org.junit.jupiter.api.BeforeEach;
import org.junit.jupiter.api.Test;
import java.util.ArrayList;

/**
 * The test class PhysicalBookTest.
 *
 * @author  Deepak
 * @version 30.11.2023
 */
public class PhysicalBookTest
{
    /**
     * Testing the method getIsbn.
     */
    @Test
    public void getIsbn()
    {
        Author author1 = new Author();
        PhysicalBook physical1 = new PhysicalBook(author1, "ABC123", "BookTitle");
        assertEquals("ABC123", physical1.getIsbn());
    }

    /**
     * Testing the method setIsbn.
     */
    @Test
    public void setIsbn()
    {
        Author author1 = new Author();
        PhysicalBook physical1 = new PhysicalBook(author1, "AB123", "BookTitle");
        physical1.setIsbn("ABC123");
    }

    /**
     * Testing the method getBookTitle.
     */
    @Test
    public void getBookTitle()
    {
        Author author1 = new Author();
        PhysicalBook physical1 = new PhysicalBook(author1, "ABC123", "BookTitle");
        assertEquals("BookTitle", physical1.getBookTitle());
    }

    /**
     * Testing the method setBookTitle.
```

```java
        */
        @Test
        public void setBookTitle()
        {
            Author author1 = new Author();
            PhysicalBook physical1 = new PhysicalBook(author1, "ABC123", "Btitle");
            physical1.setBookTitle("BookTitle");
        }

        /**
         * Testing the method getAuthor.
         */
        @Test
        public void getAuthor()
        {
            Author author1 = new Author();
            author1.showDetails();
            PhysicalBook physical1 = new PhysicalBook(author1, "ABC123", "BookTitle");
            assertEquals("","","");
        }

        /**
         * Testing the method setAuthor.
         */
        @Test
        public void setAuthor()
        {
            Author author1 = new Author();
            author1.setAuthorFirstName("Deepak");
            author1.setAuthorSurname("Rawal");
            author1.setAuthorAddress("Author Address");
            PhysicalBook physical1 = new PhysicalBook(author1, "ABC123", "BookTitle");
            physical1.setAuthor(author1);
        }

        /**
         * Testing the method getLibMember.
         */
        @Test
        public void getLibMember()
        {
            LibraryMember libraryM1 = new LibraryMember("Libmember1", "Deepak", "member
contact");
            Author author1 = new Author();
            PhysicalBook physical1 = new PhysicalBook(author1, "ABC123", "BookTitle");
            libraryM1.printDetails();
            assertEquals(null, physical1.getLibMember());
        }

        /**
```

```java
     * Testing the method setLibMember.
     */
    @Test
    public void setLibMember()
    {
        Author author1 = new Author();
        PhysicalBook physical1 = new PhysicalBook(author1, "ABC123", "BookTitle");
        LibraryMember libraryM1 = new LibraryMember("libmember1", "Deepak",
"memcontact");
        libraryM1.setMemberId("mem1");
        libraryM1.setMemberName("member");
        libraryM1.setMemberContact("memcontact");
        physical1.setLibMember(libraryM1);
    }

    /**
     * Testing the method addDamage.
     */
    @Test public void addDamage()
    {
        Author author1 = new Author();
        PhysicalBook physical1 = new PhysicalBook(author1, "ABC123", "BookTitle");
        physical1.addDamage("missing pages");
        physical1.addDamage("untidy");
        ArrayList damages = physical1.getDamages();
        assertEquals(2, damages.size());
        assertTrue(damages.contains("missing pages"));
        assertTrue(damages.contains("untidy"));
    }

}
```