

```

public class MyBookList {
    // 1.) Create the following books that contains the title, author, year published. Use the
    // Book class for this part.
    //    Rich Dad Poor Dad, Robert Kiyosaki, 1997
    //    The Power of Habit, Charles Duhigg, 2012
    //    Atomic Habits, James Clear, 2018
    //    Java Programming, John Doe, 2020
    //    Add your own favorite book
    public static Book[] Books = new Book[5];

    // 2.) Display the details of each book using the displayDetails method. Below is the sample
    // output
    //    Title: Rich Dad Poor Dad, Author: Robert Kiyosaki, Year: 1997, Current Page: 0
    //    Title: The Power of Habit, Author: Charles Duhigg, Year: 2012, Current Page: 0
    //    Title: Atomic Habits, Author: James Clear, Year: 2018, Current Page: 0
    //    Title: Java Programming, Author: John Doe, Year: 2020, Current Page: 0
    public static void displayDetails(){
        for (int i = 0; i < Books.length; i++){
            System.out.println("Title: " + Books[i].title + ", Author: " + Books[i].author + ", Year: " +
            Books[i].yearPublished + ", Current Page: " + Books[i].currentPage );
        }
        System.out.println("~~~~~");
    }

    // 3.) Change the current page of "Rich Dad Poor Dad" to 50 and "Atomic Habits" to 100
    // using the changePage method. Display the details again for the two books.
    public static void changePage() {
        Books[0].currentPage = 50;
        Books[2].currentPage = 100;
        System.out.println("Change the current page of Rich Dad Poor Dad and Atomic Habits: ");
        System.out.println("\nTitle: " + Books[0].title + ", Author: " + Books[0].author + ", Year: " +
        Books[0].yearPublished + ", Current Page: " + Books[0].currentPage );
        System.out.println("\nTitle: " + Books[2].title + ", Author: " + Books[2].author + ", Year: " +
        Books[2].yearPublished + ", Current Page: " + Books[2].currentPage );
        System.out.println("~~~~~");
    }

    // 4.) Change the current page of your favorite book to any page number you like. Display
    // the details again for your favorite book.
    Books[4].currentPage = 74;
    System.out.println("Change the current page of favorite book: ");
    System.out.println("\nTitle: " + Books[4].title + ", Author: " + Books[4].author + ", Year: " +
    Books[4].yearPublished + ", Current Page: " + Books[4].currentPage );
    System.out.println("~~~~~");
}

```

// 5.) Change the author of "Java Programming" to "Jane Smith". Display the details again for the book.

```
Books[3].author = "Jane Smith";
    System.out.println("Change the Java Programming author to Jane Smith: ");
    System.out.println("\nTitle: " + Books[3].title + ", Author: " + Books[3].author + ", Year: " +
Books[3].yearPublished + ", Current Page: " + Books[3].currentPage );
    System.out.println("~~~~~");
```

// 6.) Create an array of Book objects to store all the books you created. Loop through the array and display the title of the books published after 2010.

```
}
public static void main(String[]args){

Books[0]=new Book("Rich Dad Poor Dad", "Robert Kiyosaki", 1997, 0);
    Books[1]=new Book("The Power of Habit", "Charles Duhigg", 2012, 0);
    Books[2]=new Book("Atomic Habits", "James Clear", 2018, 0);
    Books[3]=new Book("Java Programming", "John Doe", 2020, 0);
    Books[4]=new Book("Champion", "Marie Lu", 2013, 0);
displayDetails();
changePage();
    System.out.println("\nThe books published after year 2010: \n");
    for (int i = 0; i < Books.length; i++){
        if (Books[i].yearPublished > 2010) {
            System.out.println((i) + ". " + Books[i].title + "\n");
        }
    }
}
}
}

public class Book {
    public static Book[] books = new Book[5];
    public String title;
    public String author;
    public int yearPublished;
    public int currentPage;

    public Book(String title, String author, int yearPublished, int currentPage) {

        this.title = title;
        this.author = author;
        this.yearPublished = yearPublished;
        this.currentPage = currentPage;

    }
}
```

