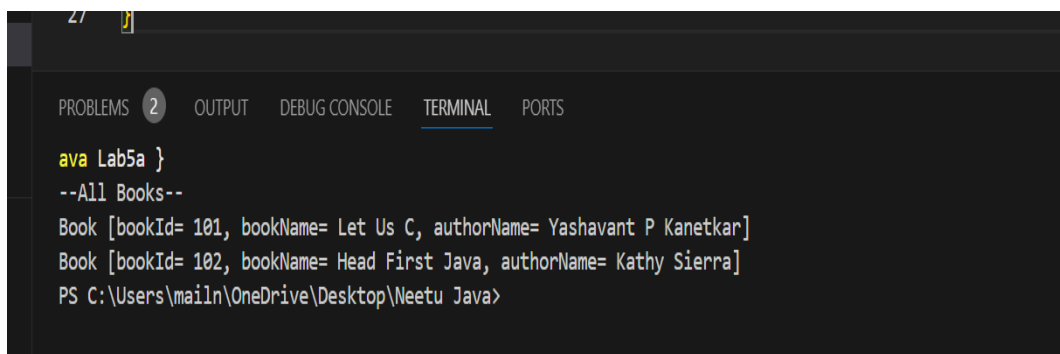1. Create a Book class with bookId, bookName and authorName.Create parameterized constructor to initialize the object. Create an ArrayList of type Book and store all book objects into collections and display all book details. [Hint:Use advanced for loop to display all Books details]

```java
2.  import java.util.ArrayList;
3.  class Book{
4.      private int bookId;
5.      private String bookName;
6.      private String authorName;
7.      public Book(int bookId, String bookName, String authorName){
8.          super();
9.          this.bookId = bookId;
10.         this.bookName = bookName;
11.         this.authorName = authorName;
12.     }
13.     public String toString(){
14.         return "Book [bookId= "+bookId+", bookName= "+bookName+",
    authorName= "+authorName+"]";
15.     }
16. }
17. public class Lab5a{
18.     public static void main(String[] args){
19.         ArrayList<Book> books=new ArrayList<Book>();
20.         books.add(new Book(101,"Let Us C","Yashavant P Kanetkar"));
21.         books.add(new Book(102,"Head First Java","Kathy Sierra"));
22.
23.         System.out.println("--All Books--");
24.         for(Book b:books){
25.             System.out.println(b);
26.         }
27.     }
28. }
```

PROBLEMS 2   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
ava Lab5a }
--All Books--
Book [bookId= 101, bookName= Let Us C, authorName= Yashavant P Kanetkar]
Book [bookId= 102, bookName= Head First Java, authorName= Kathy Sierra]
PS C:\Users\mailn\OneDrive\Desktop\Neetu Java>
```

2.Write a program to reverse a given List of strings.

```java
import java.util.ArrayList;

import java.util.Collections;


public class Lab5b {

    public static void main(String[] args) {

        ArrayList<String> strL = new ArrayList<String>();

        strL.add("january");

        strL.add("march");

        strL.add("may");

        strL.add("july");

        strL.add("september");


        System.out.println("Original list: " + strL);


        Collections.reverse(strL);


        System.out.println("Reversed list: " + strL);

    }

}
```

```
    15          Collections.reverse(strL);
    16

PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL    PORTS                          >_ Code + ∨  □  🗑  ···  ∧  ✕

xcepti...   PS C:\Users\mailn\OneDrive\Desktop\Neetu Java> cd "c:\Users\mailn\OneDrive\Desktop\Neetu Java\" ; if ($?) { javac Lab5b.java } ; if ($?) { j
            ava Lab5b }
            Original list: [january, march, may, july, september]
 in         Reversed list: [september, july, may, march, january]
            PS C:\Users\mailn\OneDrive\Desktop\Neetu Java>
```