



Visual Studio Code interface showing a Java project named "Lab3.java". The Explorer pane on the left lists various files, including .vscode, Array.class, Array2.class, Array3.class, Asg1_10.class, Asg1_10.java, Bill.java, Book.java, Bookin.class, Bookmain.class, Dimension.class, Dimension.java, Lab2.class, Lab2.java, Lab3.class, Lab3.java, Lab31.class, Lab31.java, Main.class, Main.java, Quadratic.class, Quadratic.java, Student.class, W2p1.class, W2p1.java, W2p2.class, OUTLINE, TIMELINE, and MAVEN. The main editor displays the code for Lab3.java, which includes a toString() method and a main() method. The code is as follows:

```
36 public String toString(){
37     return ("AUTHOR :"+author+"\nBOOK NAME :"+name+"\nPAGES :"+num_pages+"\nPRICE :"+price);
38 }
39
40
41 class Lab3{
42     Run | Debug
43     public static void main(String[] args){
44         Scanner sc = new Scanner(System.in);
45         int n;
46         System.out.println("ENTER THE NUMBER OF BOOKS");
47         n = sc.nextInt();
48         Bookmain b[]=new Bookmain[n];
49         b[0] = new Bookmain("Tony", "Computers", 699, 2000.99 );
50         System.out.println("-----");
51         for(int i=1;i<n;i++){
52             System.out.println("ENTER DETAILS OF BOOK :"+(i+1));
53             b[i] = new Bookmain();
54             b[i].getDetails();
55             System.out.println("-----");
56         }
57         sc.close();
58         for(int i=0;i<n;i++){
59             System.out.println("DETAILS OF BOOK :"+(i+1));
60             b[i].printDetails();
61             System.out.println("-----");
62         }
63         System.out.println("\n\nALL BOOK DETAILS THAT YOU ENTERED");
64         System.out.println("-----");
65         for(int i=0;i<n;i++){
66             System.out.println("\n*****");
67             System.out.println("BOOK :"+(i+1));
68             System.out.println(b[i]);
69         }
70     }
71 }
```

The status bar at the bottom indicates the current file is "Lab3.java" in the "Debug (Launch)" mode, with the current line being 71, column 2. The workspace is named "master*" and the file encoding is UTF-8. The system tray shows the date and time as 11:18 on 13-10-2020.

PROBLEMS 38 OUTPUT DEBUG CONSOLE TERMINAL

1: powershell

Try the new cross-platform PowerShell <https://aka.ms/pscore6>

PS C:\Users\Chaya Shetty\Desktop\jv> javac Lab3.java

PS C:\Users\Chaya Shetty\Desktop\jv> java Lab3

ENTER THE NUMBER OF BOOKS

3

ENTER DETAILS OF BOOK :2

Enter author name

Gates

Enter bookname

Fonder

Enter no of pages

400

Enter price

899.99

ENTER DETAILS OF BOOK :3

Enter author name

Musk

Enter bookname

Starlink

Enter no of pages

588

Enter price

992.89

DETAILS OF BOOK :1

author name: Tony

book name: Computers

no of pages: 699

price: 2000.99

DETAILS OF BOOK :2

author name: Gates

book name: Fonder

no of pages: 400

price: 899.99

DETAILS OF BOOK :3

author name: Musk

book name: Starlink

no of pages: 588

price: 992.89

ALL BOOK DETAILS THAT YOU ENTERED

BOOK :1
AUTHOR :Tony
BOOK NAME :Computers
PAGES :699
PRICE :2000.99

BOOK :2
AUTHOR :Gates
BOOK NAME :Fonder
PAGES :400
PRICE :899.99

BOOK :3
AUTHOR :Musk
BOOK NAME :Starlink
PAGES :588
PRICE :992.89
PS C:\Users\Chaya Shetty\Desktop\jv>

(Launch) - Current File (jv)

Ln 12, Col 6 Spaces: 4 UTF-8 CRLF Java JavaSE-14

Music ARJIT_SINGH_VERSION... ENG 11:19 13-10-2020