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import java.io.*;
public class question53
    public static void main(String args[])throws IOException
         InputStreamReader read=new InputStreamReader(System.in);
         BufferedReader in=new BufferedReader(read);
        String books[]={"Taiko", "Rich Dad Poor Dad", "Kafka on the Shore", "",
""};//creating a library of 3 books and a capacity of maximum 5 books
String authors[]={"Eiji Yoshikawa", "Robert Kiyosaki", "Haruki Murakami", "",
         int issuedbooks[]=new int[5]; //here we are creating an array where the array
         for(int i=0;i<5;i++)
             issuedbooks[i]=0;//0 means not issued, 1 means issued
        int noofbooksissued=0;
         String password="needsoup2020";
        do
             System.out.print("Enter \n1. Display all books \n2. Issue a book \n3. Return
             a book \n4. Add a book to the library \n5. Remove a book from the library
             \n0. Exit \nEnter ->");
             n=Integer.parseInt(in.readLine());
             switch(n)
                  case 1:
                  System.out.println("BOOK NAME\t\tAUTHOR NAME\t\tISSUING STATUS");
                  for(int i=0;i<5;i++)
                      if(!books[i].equals(""))//! signifies a negative condition..so this
                           System.out.println(books[i]+"\t~\t"+authors[i]+"\t~
                           "+issuedbooks[i]);
                 break;
                  case 2:
                  if(noofbooksissued>3)
                      System.out.println("Maximum number of books issued");
                 else
                      System.out.println("Enter the name of the book to issue:");
                      String book=in.readLine();
                      for(int i=0;i<5;i++)
                           if(book.equalsIgnoreCase(books[i]) && issuedbooks[i]==0)//if the
                               issuedbooks[i]=1:
                               noofbooksissued++;
                               System.out.println("Book issued");
                               break:
```

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break;
case 3:
if(noofbooksissued==0)
    System.out.println("No books issued yet");
else
    System.out.println("Enter the name of the book to return:");
    String book=in.readLine();
    for(int i=0;i<5;i++)
        if(book.equalsIgnoreCase(books[i]) && issuedbooks[i]==1)//if the
            issuedbooks[i]=0;
            noofbooksissued--;
            System.out.println("Book returned");
            break;
break:
case 4:
System.out.println("Enter the password:");
String pwd=in.readLine();
if(pwd.equals(password))
    System.out.println("Enter the name of the book to add:");
    String book=in.readLine();
    System.out.println("Enter the name of the author to add:");
    String author=in.readLine();
    for(int i=0;i<5;i++)
        if(books[i].equals(""))
            books[i]=book;
            authors[i]=author;
            System.out.println("Book added");
            break:
else
    System.out.println("Access Denied");
break:
case 5:
System.out.println("Enter the password:");
String pwd1=in.readLine();
if(pwd1.equals(password))
    System out println("Enter the name of the book to remove:");
    String book=in.readLine();
    for(int i=0;i<5;i++)
        if(book.equalsIgnoreCase(books[i]))
            books[i]="";
            authors[i]="":
```