

FIRSTNAME, LASTNAME (PRINT IN UPPERCASE):

STUDENT ID (e.g. 123456789):

INSTRUCTIONS:

Draw a memory map for the following program up to the point in the program execution indicated by the comment **/*HERE*/**. Indicate where each frame starts and ends in the stack. Remember not to draw the frame for methods that would have finished by the time we reach the stopping point (**/* HERE */**).

```
public class Book {

    public static int PRINT_TOTAL = 0;
    private String title;
    private int pages;

    public Book(String title, int pages) {
        this.title = title;
        this.pages = pages; }

    public Book (Book b){
        this.title = b.title;
        this.pages = b.pages ; }

    public void setPages(int pages) {
        this.pages = pages; }

    public void setTitle(String title) {
        this.title = title; }

    public void task(){
        int total = 175;
        setTOTAL(total); }

    public static void setTOTAL(int total){
        PRINT_TOTAL = total;
        /* Here */
    }

}

public class Driver {

    public static void main(String[] args) {
        int pages = 400;
        String title = "Java";

        Book b1 = new Book("C++", pages);
        Book b2 = new Book(b1);
        Book b3 = new Book(b2);
        b2.setTitle(title);
        b2.setPages(pages - 100);

        b1.task();
    }

}
```

