

Practice Problems 7.2

Introduction to Reading and Writing Files

Fill in the blanks so that the code works correctly.

```
import java.io. (1);
import java.io.FileNotFoundException;
import java.io.PrintWriter;
import java.util.Scanner;

public class Test {

    public static void main(String[] args) throws
FileNotFoundException {
        //Create Array of Strings
        String[] strToWrite = getStrArray();

        //Print the strings to file
        (2) (strToWrite); //method w/ strToWrite as arg.

        //read file such that sum is found of numbers
        int sum = findSum(" (3) ");

        //Print the results
        System.out.println("The Sum is " + sum);
    }

    public static String[] getStrArray() {
        String[] strToWrite = new String[ (4) ];

        strToWrite[0] = "Hello World!";
        strToWrite[1] = getNumbers(0);
        strToWrite[2] = getNumbers(10);
        strToWrite[3] = (5) (20);

        return (6);
    }

    public static (7) getNumbers(int (8)) {
        String numStr = "";
        int last = first + 10;

        for (int i = first; i < last; i++) {
            numStr += i + " ";
        }

        return numStr;
    }

    public static void printToFile(String[] arrayToPrint) {
        (9) {
            PrintWriter out = new PrintWriter("Hello
Numbers.txt");

            for(String str: arrayToPrint){
                out.println(str);
            }

            (10) //finish using out object

        } catch ((11)e) {
            System.out.println("File not found to print
to");
        }
    }
}
```

1) File

2) PrintToFile

3) strToWrite

4) 4

5) getNumbers

6) strToWrite[]

7) String

8) sum

9) try

10) scnr.close;

11) Exception

Name	Will Marsh
PSU ID(abc1234)	wem5115
Class (Section)	IST 140.002

```
public static int findSum(String fileName){
    File inFile = new File(fileName);
    int sum = 0;
    Scanner in = null;

    try{
        in = new Scanner((12));

        in.nextLine();//Skips the line that has the
        "Hello World"

        while((13)){
            int num = in.nextInt();
            sum += num;
        }

        } (14) {
            System.out.println("Could not find file to
read!");
        }finally{
            if(in != null){
                in.close();
            }

            (15);
        }
    }
}
```

12) System.in

13) in.hasNextInt()

14) catch

15) out.close()