



EXPERIMENT – 3.2

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Branch: CSE

Section/Group: 608 (B)

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Subject Name: OOP using JAVA

Subject Code: 21CSH-218

Aim of the practical: Given a file, you have to read n lines of input until you reach EOF, then number and print all n lines of content.

Objective: The challenge here is to read lines of input until you reach EOF, then number and print all lines of content.

Program Code:

```
import java.util.*;

public class Solution {

    public static void main(String[] args) {
        Scanner input = new Scanner(System.in);
        int i = 1;
        while(input.hasNext()){
            String s = input.nextLine();
            System.out.println(i+" "+s);
            i++;
        }
    }
}
```

Output:



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The screenshot shows the HackerRank interface for the 'Java End-of-file' challenge. The left sidebar contains links for 'Problem', 'Submissions', and 'Leaderboard'. The main content area displays the problem description, which asks the user to read lines of input until they reach the End Of File (EOF). A hint suggests using the `Scanner.hasNext()` method. The 'Input Format' section states that the input consists of unknown lines from `stdin(System.in)`. The 'Output Format' section requires the user to print the line number followed by a space and the line content. A 'Sample Input' is provided: `Hello world`, `I am a file`, and `Read me until end-of-file.`. The right sidebar shows a 'Congratulations' message, indicating that the user has earned 10.00 points and is 87 points away from the gold level. It also displays a 'Compiler Message' of 'Success' for 'Test case 0' and 'Test case 1'. A 'Hidden Test Case' is shown as locked, requiring 5 hacks to unlock. The bottom of the page shows a Windows taskbar with the date and time as 11:03 PM on 11/8/2022.

Learning outcomes (What I have learnt):

1. We learned to use Loop
2. We learned How to use `hasnext()` method of scanner;
3. We learned the use of Scanner Class