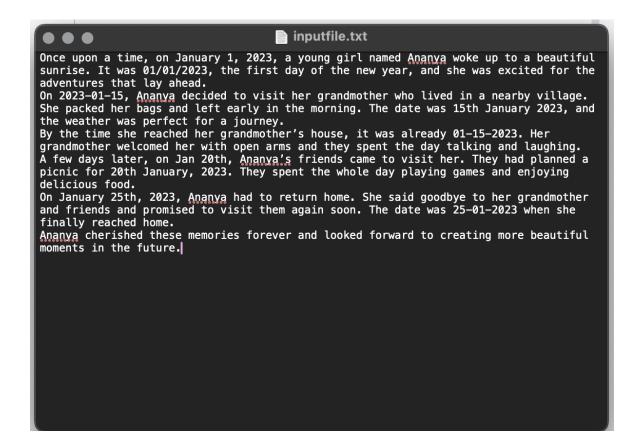
Learning Summary:

Through this project, I gained hands-on experience with bash scripting, particularly focusing on how to handle user input, create and manipulate files, and utilize regular expressions for pattern matching. The project required me to identify various date formats such as "dd/mm/yyyy," "mm-dd-yyyy," and textual representations like "March 25, 2024." I learned how to construct complex regex patterns to capture different date formats and enhance my script's flexibility. Additionally, this project improved my understanding of file redirection in bash, allowing me to generate and write outputs to a report file. Overall, it strengthened my skills in bash scripting, file handling, and regular expressions.

Project Outputs:

Input:



Output:

```
Last login: Wed Sep 25 13:14:28 on ttys000
(khanh@Khanhs-MacBook-Air ~ % cd desktop
(khanh@Khanhs-MacBook-Air desktop % vim date.sh
(khanh@Khanhs-MacBook-Air desktop % ./date.sh
Enter File Name:
inputfile.txt
Extracted Dates
01/01/2023
01-15-2023
25-01-2023
15th January 2023
20th January 2023
January 1, 2023
January 1, 2023
January 25th, 2023
2023-01-15
Total number of dates extracted: 9
khanh@Khanhs-MacBook-Air desktop %
```

Output File:

```
p1/01/2023
01-15-2023
25-01-2023
15th January 2023
20th January, 2023
January 1, 2023
January 25th, 2023
2023-01-15
Total number of dates extracted: 9
```