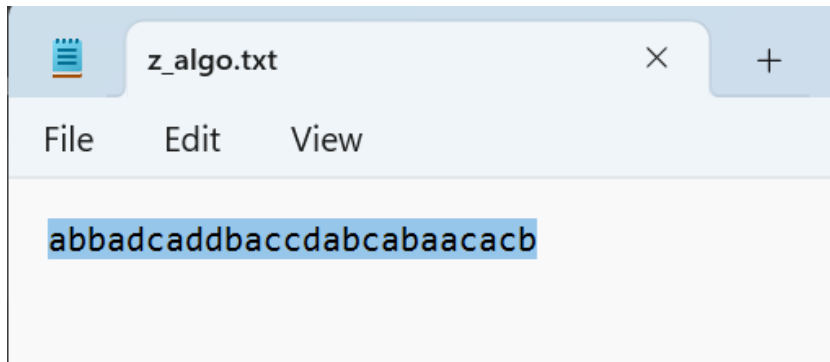


Z_ALGORITHM EXECUTION

INPUT : z_algo.txt



Best Case Scenario :

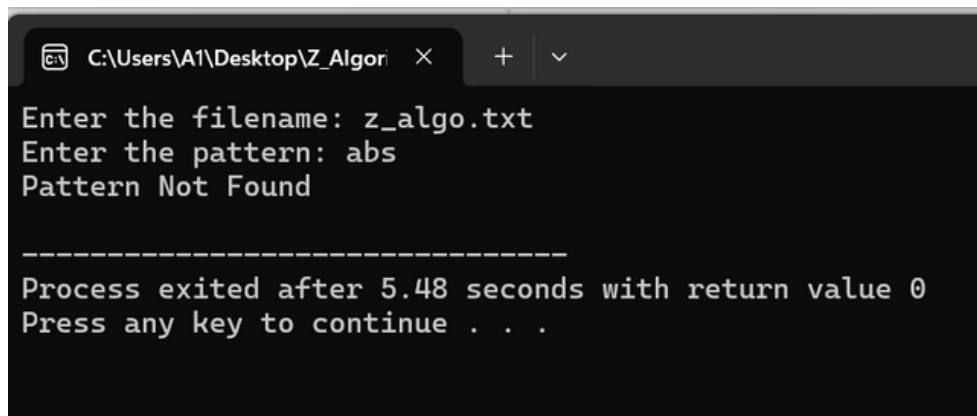
- **Input :** A short text file containing a pattern that appears at the beginning.
- **Expected Output:** Pattern found at index 0

```
C:\Users\A1\Desktop\Z_Algor  x  +  v
Enter the filename: z_algo.txt
Enter the pattern: abba
Pattern found at index: 0

-----
Process exited after 92.42 seconds with return value 0
Press any key to continue . . . |
```

Worst Case Scenario:

- **Input** : A large text file containing a pattern that doesn't exist
- **Expected Output:** No pattern found.



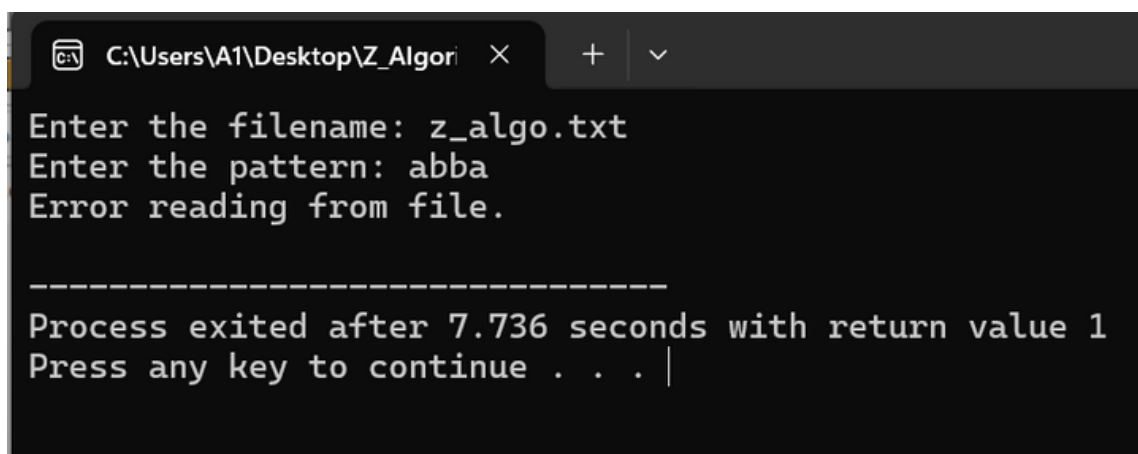
```
C:\Users\A1\Desktop\Z_Algori > Enter the filename: z_algo.txt
Enter the pattern: abs
Pattern Not Found

-----
Process exited after 5.48 seconds with return value 0
Press any key to continue . . .
```

Corner Cases:

Empty File

- **Input:** An empty text file.
- **Expected Output :** Error reading the file.

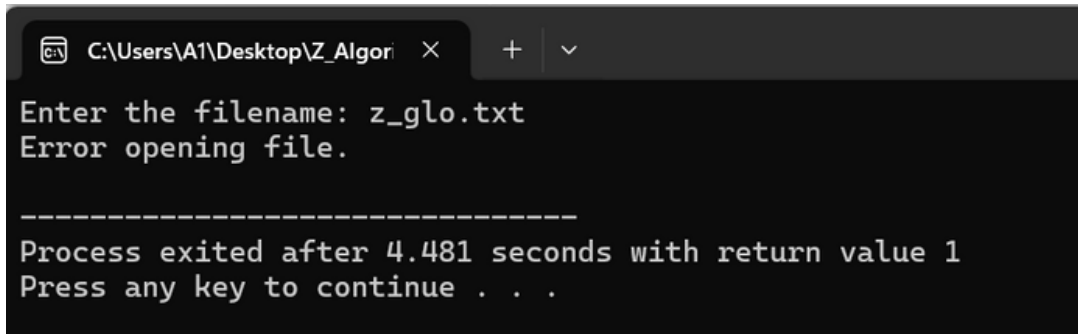


```
C:\Users\A1\Desktop\Z_Algori > Enter the filename: z_algo.txt
Enter the pattern: abba
Error reading from file.

-----
Process exited after 7.736 seconds with return value 1
Press any key to continue . . . |
```

NO TEXT FILE FOUND

- **Input:** No file such file exists.
- **Expected Output:** Error in opening the file.

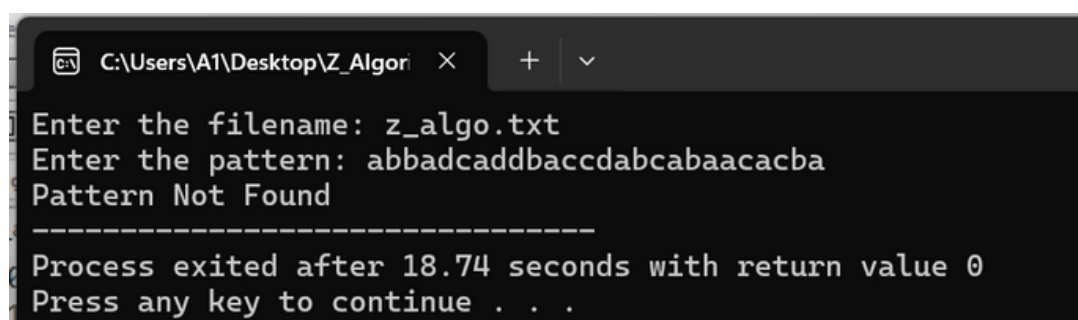


```
C:\Users\A1\Desktop\Z_Algori > Enter the filename: z_glo.txt
Error opening file.

-----
Process exited after 4.481 seconds with return value 1
Press any key to continue . . .
```

Pattern Length > Text Length

- **Input:** A text file with shorter content than the pattern.
- **Expected Output:** No pattern found

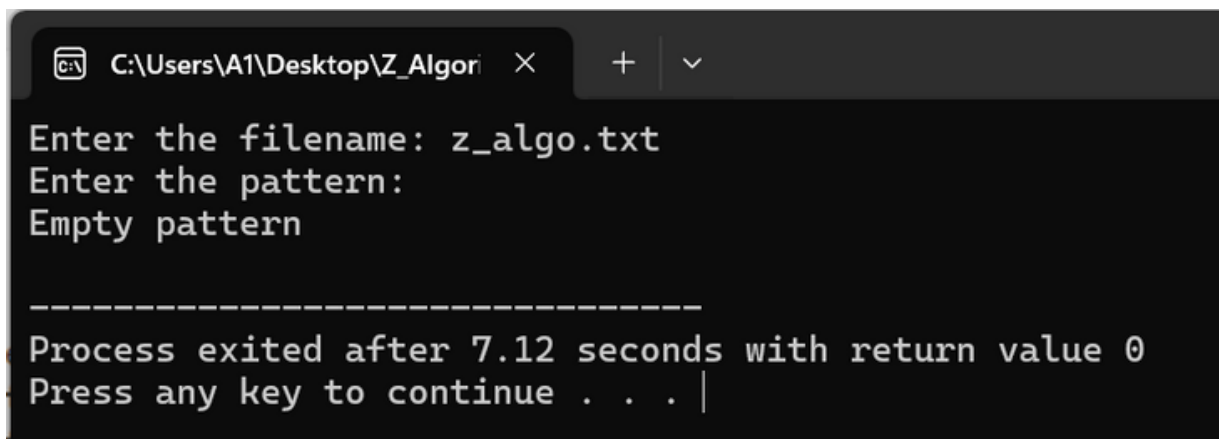


```
C:\Users\A1\Desktop\Z_Algori > Enter the filename: z_algo.txt
Enter the pattern: abbadcaddbaccdabcabaacacba
Pattern Not Found

-----
Process exited after 18.74 seconds with return value 0
Press any key to continue . . .
```

Empty Pattern

- **Input:** A text file with some content and an empty pattern.
- **Expected Output:** No pattern found



```
C:\Users\A1\Desktop\Z_Algori > Enter the filename: z_algo.txt
Enter the pattern:
Empty pattern

-----
Process exited after 7.12 seconds with return value 0
Press any key to continue . . . |
```