

File Packer Unpacker

- This project is used to perform process monitoring activity.
- By using this project we can fetch data from all files and merge it into one file. As well as we can also extract all packed file whenever required.

Platform required

Windows NT platform OR Linux

Architectural requirement

Intel 32 bit processor

User Interface

Graphical User Interface

Technology used

Java Programming

Features provided by File Packer-Unpacker

This project is divided into two parts as Packing and Unpacking.

Packing Activity :

- In case of Packing activity we accept directory name and file name from user.
- We have to create new regular file as the name specified by the user.
- Now open the directory and traverse each file from that directory. In newly created file write Metadata as header and actual file data in sequence.
- While writing data perform encryption.
- Each name of file ,its size and checksum should be written in log file which gets created in system directory.
- After packing display packing report.

UnPacking Activity :

- In case of UnPacking activity we accept packed file name from user.
- for authentication of packed file use any logic like Magic Number.
- Open the packed file in read mode and perform below activity as
 - Read header
 - From the name specified in header create new file.
 - Write data into newly created file from packed file.
 - Repeat all above steps till we reached at end of the file unpacked file.

- After unpacking display unpacking report.

Main purpose of this project is to merge large amount of files into one file by avoiding memory wastage.

We also provide data security by using the concept of Encryption.

For next level data security we add MD5 Checksum check and Primary header check.

Expected interview Questions on File Packer Unpacker

1. Explain flow and Working of your project ?
2. What is mean by Packing And Unpacking?
3. What is the use of Encryption?
4. How you can save memory by using packing?
5. Why you select Java as a developmental language for this project?
6. Explain the concept of MD5 Checksum?
7. How you recreate all the files again in case of unpacking?
8. How you maintain record of each file in case of packing?
9. Which User interface you provide for this project?
10. Which is the targeted audience for this project?
11. Are you generating any log of Packing and unpacking activity?
12. Which types of File Manipulations are used in this project?
13. What happens if our folder contains duplicate files in case of packing?
14. Which types of files gets packed and unpacked using your project?
15. What are the resources that you refer during development of this project?
16. Which difficulty the you faced in this project?
17. Is there any chance of improvement in your project?
18. Can we use this project on different platforms?
19. Explain File header in case of packed file?
20. Which type of Encryption technique is used for this project?