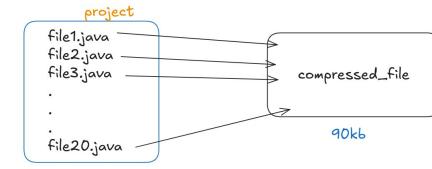


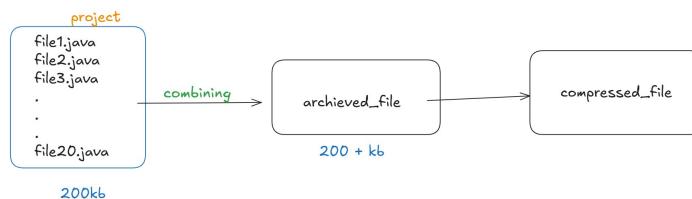
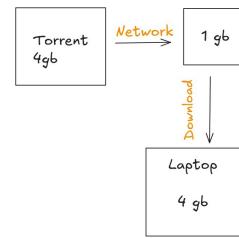
FILE COMPRESSION

>> Compression: reducing the amount of space a data consumes.



20files*10kb = 200 kb

1. One-by-one files will get compressed first.
2. Then, added to the compressed file.



1. Create a bundle by combining multiple files.
2. Then we compress the archived file.

Archiving: combining multiple files into a single file.

↓

'tar' → Tape Archive
→ used to create a bundle of file.
→ Extension is '.tar'

>> To create a tar file : `tar cvf archive.tar file1.java file2.java ... file20.java`

`tar cvf archive.tar *.java` `tar cvf archive.tar *.txt`

`tar cvf archive.tar *`

c -> create an archived file
v -> verbose (shows on what files work is done)
f -> file_name

>> To extract files from a .tar file: `tar xvf archive.tar *`
`tar xvf archive.tar file1.java`

x -> extract

WAYS OF COMPRESSION:

1. zip

>> Compress all the files into a single compressed files, one - by -one.
>> Extension is '.zip'.

-- To create a zip file : `zip file_name.zip *` `zip demo.zip *.txt` `zip arch.zip arc.tar`

-- To extract/unzip the file: `unzip file_name.zip` `unzip demo.zip`

2. gzip

>> greater compression.
>> compressing the already compressed file.
>> compresses the archived file.
>> Extension is '.gz'.

-- To create a gzip file : `gzip zip_filename` `gzip demo.zip`

`gzip archived_filename` `gzip arc.tar`

-- To extract the gzip file: `gunzip filename` `gunzip demo.zip.gz`