Specify the directory to traverse and the signature file

Check for files or subdirectories in the specified directory

If there are files, take their MD5 hash and compare with the signature, if there is a match--🡪 virus found else file is benign

If there is a subdirectory -🡪 traverse it to find files or further subdirectories

If file found, repeat the process of taking an MD5 hash and comparing with signature file -🡪 if match found, it’s a virus else a benign file.

In case of subdirectories, repeat the process.