

Assignment 5:

Model with OOP the **file system of a computer** running Windows. We have devices, directories and files. The **devices** are for instance floppy disk, HDD, CD-ROM, etc. They have a name and a tree of directories and files. Each **directory** has a name, date of last change and list of files and directories, which it holds. Each **file** has a name, date of creation, date of last change and content. Each file is placed in one of the directories. Each file can be text or binary. **Text files** contain text (**string**), and **the binary ones** – sequence of bytes (**byte[]**). Create a class, which tests the other classes and demonstrates how we can build a model for devices, directories and files in the computer.

Assignment solutions to be uploaded to your github account, then you should send the repo's link to: **khaled.3ttia@gmail.com**