Factory Method Pattern <<abstract>> ProgrammFileFactory FileStore \sim com.alhelal.textpad \sim com.alhelal.textpad + orderFile(file : File) : EditableFile + orderFile(file : File) : EditableFile # createFile(file : File) : EditableFile <<instantiate>> EditableFile \sim com.alhelal.textpad + languageBehavior : LanguageBehavior + options : Options + getCodeAreaFromTab(tb : Tab) : CodeArea + saveFile(fileTabArrayList : ArrayList<FileTab>, option : Options) + printFile(node : Node) + toggleLineNumber(cd : CodeArea) + setLanguageBehavior(langBehavior : LanguageBehavior) + performRunCode(file : File) + performBuildCode(file : File) + performSetHighlightableText() + performSetAutocompletableText() **TextFile CFile** CplusFile JavaFile PythonFile LaTeXFile \sim com.alhelal.textpad \sim com.alhelal.textpad \sim com.alhelal.textpad \sim com.alhelal.textpad \sim com.alhelal.textpad \sim com.alhelal.textpad - path : String