**Code Analyzer Project**

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**Command Line Arguments:**

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Three divisions of command line arguments: **path, pattern, option.**

* First argument is always considered as **path**. If the path is not valid (an existing directory), the program will display a message and will exit the program.
* Any argument which is starting with '/' is considered as **option**. Options are case-sensitive.
* Remaining arguments other than above two are considered as **patterns**. If no pattern is entered, **“\*.cs”** is taken as **default pattern**.

Options (**case-sensitive**) applicable for this project:

* /S – searches recursively for files to be analyzed in the entire directory
* /R – shows the relationships between all types defined in the file set.
* /X – writes the output into a file in XML format, apart from displaying on console.

**XML Output file:**

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The output xml file which gets generated when /X option is given is stored in the folder **“XMLOutputFiles”** of the project directory.

The name of the xml file will be:

**CodeAnalyzerXMLOutput\_yyyy-MM-dd-HHmmss.xml**

(‘yyyy-MM-dd-HHmmss’ represents code analyzer execution date and time)

**Sample command line arguments:**

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* **. /S /X /R \*.cs** path = “.” Pattern={/S, /X, /R} Option={.cs}
* **./TestCode /S /X** path = “./TestCode” Pattern={/S, /X} Option={.cs}
* **../TestCode** path = “../TestCode” Pattern={} Option={.cs}
* **/S /X ./TestCode** path = “/S” Pattern={/X} Option={.cs, ./TestCode}

Invalid Path (first argument must be always a valid existing path)