

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)