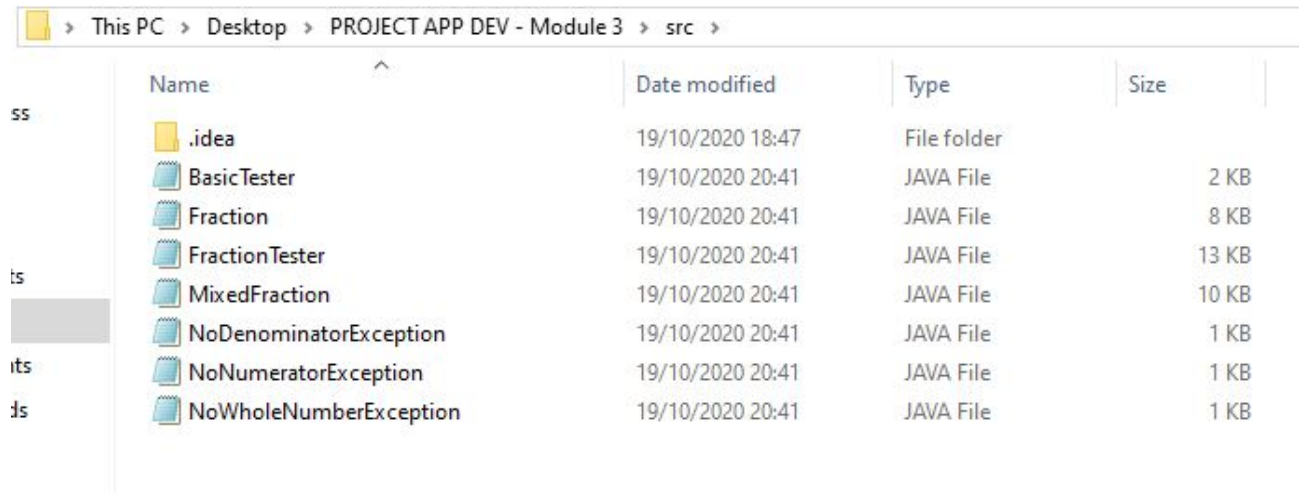


This PC > Desktop > PROJECT APP DEV - Module 3				
	Name	Date modified	Type	Size
ESS	src	20/10/2020 18:26	File folder	
	build	19/10/2020 17:15	XML Document	2 KB

Directory Screenshot 1



This PC > Desktop > PROJECT APP DEV - Module 3 > src				
	Name	Date modified	Type	Size
SS	.idea	19/10/2020 18:47	File folder	
	BasicTester	19/10/2020 20:41	JAVA File	2 KB
	Fraction	19/10/2020 20:41	JAVA File	8 KB
ts	FractionTester	19/10/2020 20:41	JAVA File	13 KB
	MixedFraction	19/10/2020 20:41	JAVA File	10 KB
	NoDenominatorException	19/10/2020 20:41	JAVA File	1 KB
its	NoNumeratorException	19/10/2020 20:41	JAVA File	1 KB
ds	NoWholeNumberException	19/10/2020 20:41	JAVA File	1 KB

SRC Folder Screenshot

This is where the build.xml and java classes are located. These are only the ones who are inside the Directory before running the script.

```

C:\Users\User>cd desktop

C:\Users\User\Desktop>cd project app dev - module 3

C:\Users\User\Desktop\PROJECT APP DEV - Module 3>ant
Buildfile: C:\Users\User\Desktop\PROJECT APP DEV - Module 3\build.xml

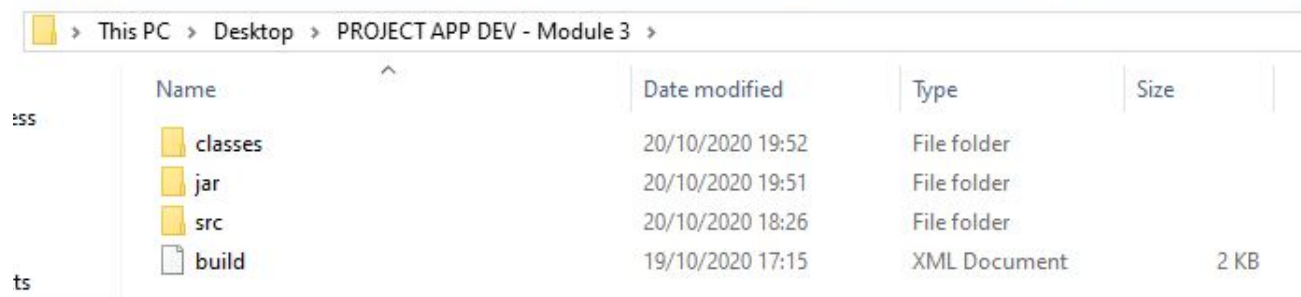
clean:

init:
    [mkdir] Created dir: C:\Users\User\Desktop\PROJECT APP DEV - Module 3\classes
    [mkdir] Created dir: C:\Users\User\Desktop\PROJECT APP DEV - Module 3\jar

compile:
    [input] Please enter the directory of the Java file
    ■

```

Command Prompt Screenshot 1



Name	Date modified	Type	Size
classes	20/10/2020 19:52	File folder	
jar	20/10/2020 19:51	File folder	
src	20/10/2020 18:26	File folder	
build	19/10/2020 17:15	XML Document	2 KB

Directory Screenshot 2

Now we run the build.xml in the command prompt and here we see that it created new directories which are the classes and jar directories. After that it asks for the user to enter the directory of the Java file to compile.

```

compile:
    [input] Please enter the directory of the Java file
src
    [javac] Compiling 7 source files to C:\Users\User\Desktop\PROJECT APP DEV - Module 3\classes

BUILD SUCCESSFUL
Total time: 1 minute 8 seconds

C:\Users\User\Desktop\PROJECT APP DEV - Module 3>■

```

Command Prompt Screenshot 2

After entering the directory which is “src” it then proceeds to compiling it.

Name	Date modified	Type	Size
BasicTester.class	20/10/2020 19:52	CLASS File	1 KB
Fraction.class	20/10/2020 19:52	CLASS File	3 KB
FractionTester.class	20/10/2020 19:52	CLASS File	8 KB
MixedFraction.class	20/10/2020 19:52	CLASS File	3 KB
NoDenominatorException.class	20/10/2020 19:52	CLASS File	1 KB
NoNumeratorException.class	20/10/2020 19:52	CLASS File	1 KB
NoWholeNumberException.class	20/10/2020 19:52	CLASS File	1 KB

Directory Screenshot 3

As you can see in the image above the compiled classes are now saved in a separate directory called classes.

```
C:\Users\User\Desktop\PROJECT APP DEV - Module 3>ant doc
Buildfile: C:\Users\User\Desktop\PROJECT APP DEV - Module 3\build.xml

clean:

init:
    [mkdir] Created dir: C:\Users\User\Desktop\PROJECT APP DEV - Module 3\classes
    [mkdir] Created dir: C:\Users\User\Desktop\PROJECT APP DEV - Module 3\jar

compile:
    [input] Please enter the directory of the Java file

src
    [javac] Compiling 7 source files to C:\Users\User\Desktop\PROJECT APP DEV - Module 3\classes

doc:
    [javadoc] C:\Users\User\Desktop\PROJECT APP DEV - Module 3\src contains source files in the default package, you must specify them as source files not packages.
    [javadoc] Generating Javadoc
    [javadoc] Javadoc execution
    [javadoc] Loading source file C:\Users\User\Desktop\PROJECT APP DEV - Module 3\src\BasicTester.java...
    [javadoc] Loading source file C:\Users\User\Desktop\PROJECT APP DEV - Module 3\src\Fraction.java...
    [javadoc] Loading source file C:\Users\User\Desktop\PROJECT APP DEV - Module 3\src\FractionTester.java...
    [javadoc] Loading source file C:\Users\User\Desktop\PROJECT APP DEV - Module 3\src\MixedFraction.java...
    [javadoc] Loading source file C:\Users\User\Desktop\PROJECT APP DEV - Module 3\src\NoDenominatorException.java...
    [javadoc] Loading source file C:\Users\User\Desktop\PROJECT APP DEV - Module 3\src\NoNumeratorException.java...
    [javadoc] Loading source file C:\Users\User\Desktop\PROJECT APP DEV - Module 3\src\NoWholeNumberException.java...
    [javadoc] Constructing Javadoc information...
```

Command Prompt Screenshot 3

Name	Date modified	Type	Size
classes	20/10/2020 21:05	File folder	
doc	20/10/2020 21:05	File folder	
jar	20/10/2020 21:05	File folder	
src	20/10/2020 18:26	File folder	
build	19/10/2020 17:15	XML Document	2 KB

Directory Screenshot 4

Clipboard	Organise	New	Open	Select
This PC > Desktop > PROJECT APP DEV - Module 3 > doc				
	Name	Date modified	Type	Size
ss	resources	20/10/2020 21:05	File folder	
	script-dir	20/10/2020 21:05	File folder	
	allclasses-index	20/10/2020 21:05	Chrome HTML Do...	6 KB
	allpackages-index	20/10/2020 21:05	Chrome HTML Do...	4 KB
ts	BasicTester	20/10/2020 21:05	Chrome HTML Do...	8 KB
	constant-values	20/10/2020 21:05	Chrome HTML Do...	4 KB
its	deprecated-list	20/10/2020 21:05	Chrome HTML Do...	3 KB
js	element-list	20/10/2020 21:05	File	1 KB
(C:)	Fraction	20/10/2020 21:05	Chrome HTML Do...	26 KB
	FractionTester	20/10/2020 21:05	Chrome HTML Do...	14 KB
	help-doc	20/10/2020 21:05	Chrome HTML Do...	8 KB
	index	20/10/2020 21:05	Chrome HTML Do...	1 KB
Y (D:)	index-all	20/10/2020 21:05	Chrome HTML Do...	22 KB
	jquery-ui.overrides	20/10/2020 21:05	Cascading Style S...	1 KB
	member-search-index	20/10/2020 21:05	JavaScript File	4 KB
	MixedFraction	20/10/2020 21:05	Chrome HTML Do...	30 KB
	module-search-index	20/10/2020 21:05	JavaScript File	1 KB
	NoDenominatorException	20/10/2020 21:05	Chrome HTML Do...	7 KB
	NoNumeratorException	20/10/2020 21:05	Chrome HTML Do...	7 KB

Doc Folder Screenshot

Now we entered “ant doc” to make a new directory called doc, and inside the folder doc it will now contain all the necessary html and supporting directories that are used in this project.

```
C:\Users\User\Desktop\PROJECT APP DEV - Module 3>ant jar
Buildfile: C:\Users\User\Desktop\PROJECT APP DEV - Module 3\build.xml

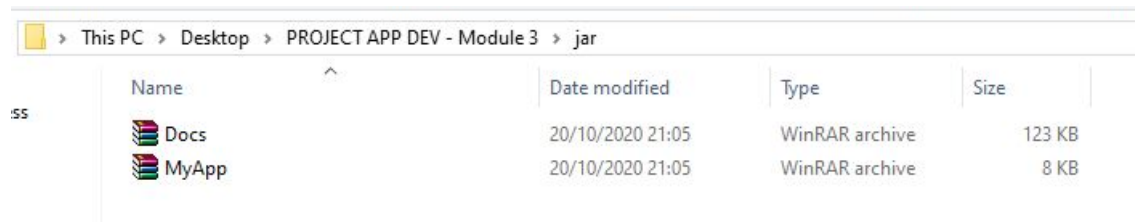
clean:

init:
[mkdir] Created dir: C:\Users\User\Desktop\PROJECT APP DEV - Module 3\classes
[mkdir] Created dir: C:\Users\User\Desktop\PROJECT APP DEV - Module 3\jar

compile:
[input] Please enter the directory of the Java file
src
[javac] Compiling 7 source files to C:\Users\User\Desktop\PROJECT APP DEV - Module 3\classes

doc:
[javadoc] C:\Users\User\Desktop\PROJECT APP DEV - Module 3\src contains source files in the default package, you must specify them as source files not packages.
[javadoc] Generating Javadoc
[javadoc] Javadoc execution
[javadoc] Loading source file C:\Users\User\Desktop\PROJECT APP DEV - Module 3\src\BasicTester.java...
[javadoc] Loading source file C:\Users\User\Desktop\PROJECT APP DEV - Module 3\src\Fraction.java...
[javadoc] Loading source file C:\Users\User\Desktop\PROJECT APP DEV - Module 3\src\FractionTester.java...
[javadoc] Loading source file C:\Users\User\Desktop\PROJECT APP DEV - Module 3\src\MixedFraction.java...
[javadoc] Loading source file C:\Users\User\Desktop\PROJECT APP DEV - Module 3\src\NoDenominatorException.java...
[javadoc] Loading source file C:\Users\User\Desktop\PROJECT APP DEV - Module 3\src\NoNumeratorException.java...
[javadoc] Loading source file C:\Users\User\Desktop\PROJECT APP DEV - Module 3\src\NoWholeNumberException.java...
[javadoc] Constructing Javadoc information...
```

Command Prompt Screenshot 4



The screenshot shows a Windows File Explorer window with the address bar displaying the path: This PC > Desktop > PROJECT APP DEV - Module 3 > jar. The main area shows a table of files and folders.

Name	Date modified	Type	Size
Docs	20/10/2020 21:05	WinRAR archive	123 KB
MyApp	20/10/2020 21:05	WinRAR archive	8 KB

Jar Folder Screenshot

For the Java Archives files, we entered “ant jar” to generate the compiled classes and the documentation of the classes.

```
C:\Users\User\Desktop\PROJECT APP DEV - Module 3>ant clean
Buildfile: C:\Users\User\Desktop\PROJECT APP DEV - Module 3\build.xml

clean:

BUILD SUCCESSFUL
Total time: 1 second
```

Command Prompt Screenshot 5

Now that the compile and build are now successful and done we now entered ant clean to make the directory go back to what it was before.