AI ASSIGNMENT

CONTRIBUTORS & ROLES

Maninder kaur (2018CSC1059):

I made the lex and yacc parser for the XML file and the prolog program which reads the text file(contains only data without any tags) generated by the parser.

Munish Sharma(2018CSC1014):

I made the XML file and the XML schema definition (XSD) for writing XML database. The tags which I used are :-

- 1. javadoc
- 2. javaclass
- 3. javaclassname

FILES INCLUDED

- 1. Parsers: AI.lex and AI.y
- 2. data.xml
- 3. data.xsd
- 4. Read.pl
- 5. tags.txt
- 6. a.out
- 7. Screenshots of output and commands

SCREENSHOTS OF OUTPUT

```
munish@munish-HP-ProBook-445-G1:-/Documents/al_assignment_1
munish@munish-HP-ProBook-445-G1:-5 cd Documents
munish@munish-HP-ProBook-445-G1:-5 cd Documents
munish@munish-HP-ProBook-445-G1:-5 cd Documents of al_assignment_1
munish@munish-HP-ProBook-445-G1:-/Documents/al_assignment_15 pace -d ALY
pace -
```

```
munish@munish-HP-ProBook-44S-G1: -/Documents/al_assignment_1

File Edit View Search Terminal Help
ArrayBlockingQueue.
Array
ArrayBlockingQueue.
Array
ArrayBlockingQueue.
Array
AtonicInteger.
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Attributesxception.
ButtonGroup.
ChangeEvent.
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munish@munish-HP-ProBook-445-C1:-/Documents/al_assignment_1

File Edit View Search Terminal Help
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AbstractQueue.
AbstractSet.
AccessMode.
AccessMode.
ActionListener.
Applet.
ArrayBlockingQueue.
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AtomicBoolean.
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AtomicBoolean.
AtomicBoolean.
AttributeException.
Buttomicroup.
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ClassValue.
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CHALLENGES THAT WE FACED

- 1. It was difficult to know how the prolog code will read the XML data so we generated a text file reading all the data from XML (without tags) and that text file will be handled by prolog.
- 2. The prolog code didn't really print the particular answer for the query but it is printing the whole text file . We have worked on that thing for a long time but we didn't get any solution .