```
How to compile the code

0.confirm the file is now

1.Go to folder src/

2.Run command

3.After compiling, there will be a "CompilationEngine.class", a "Analyzer.class" and a "Tokenizer.class" file in current path

How to run the code

TLDR:
```

How to compile the code

0.confirm the file is now

tree

(base) eamin@EamindeMacBook-Pro YimingChengProject10 % tree ArrayTest └─ Main.jack - ExpressionlessSquare - Main.jack - Square.jack ☐ SquareGame.jack - Square - Main.jack - Square.jack SquareGame.jack src - Analyzer.java — TextComparer.class L TextComparer.sh - test — ArrayTest - Main.jack — Main.xml └─ MainT.xml ExpressionLessSquare - Main.jack - Main.xml — MainT.xml - Square.jack — Square.xml SquareGame.jack — SquareGame.xml SquareGameT.xml

```
Square

Main.jack

Main.xml

MainT.xml

Square.jack

Square.jack

Square.xml

SquareGame.yack

SquareGame.xml

SquareGame.xml
```

1.Go to folder src/

```
cd path to src
```

Make sure you can see

ls

```
(base) eamin@EamindeMacBook-Pro src % ls
Analyzer.java TextComparer.class TextComparer.sh
```

2.Run command

```
javac Analyzer.java
```

Make sure you can see

3.After compiling, there will be a "CompilationEngine.class", a "Analyzer.class" and a "Tokenizer.class" file in current path

How to run the code

1.Command format is

a:

```
java Analyzer XXX.jack
```

Analyzer will generate

Main.xml:result of parsing the class)

MainT.xml:result of tokenizing

in the same directory of Main.jack.

b:

java Analyzer directory

Analyzer will generate

several <code>.xml</code> files according to the number of .jack files named by filename.xml(result of parsing the class) and a filenameT.xml(result of tokenizing) in the same directory. compare: ./TextComparer.sh file1 file2 **TLDR:** To test the whole project: Compile cd src javac Analyzer.java Run and Test ArrayTest java Analyzer ../ArrayTest

./TextComparer.sh ../ArrayTest/Main.xml ../test/ArrayTest/Main.xml

./TextComparer.sh ../ArrayTest/MainT.xml ../test/ArrayTest/MainT.xml

Run and Test ExpressionlessSquare

java Analyzer ../ExpressionlessSquare

./TextComparer.sh ../ExpressionlessSquare/Main.xml ../test/ExpressionlessSquare/Main.xml

./TextComparer.sh ../ExpressionlessSquare/MainT.xml ../test/ExpressionlessSquare/MainT.xml

./TextComparer.sh ../ExpressionlessSquare/Square.xml ../test/ExpressionlessSquare/Square.xml

./TextComparer.sh ../ExpressionlessSquare/SquareT.xml ../test/ExpressionlessSquare/SquareT.xml

./TextComparer.sh ../ExpressionlessSquare/SquareGame.xml ../test/ExpressionlessSquare/SquareGame.xml

./TextComparer.sh ../ExpressionlessSquare/SquareGameT.xml ../test/ExpressionlessSquare/SquareGameT.xml

Run and Test Square

```
java Analyzer ../Square
./TextComparer.sh ../Square/Main.xml ../test/Square/Main.xml

./TextComparer.sh ../Square/MainT.xml ../test/Square/MainT.xml

./TextComparer.sh ../Square/Square.xml ../test/Square/Square.xml

./TextComparer.sh ../Square/SquareT.xml ../test/Square/SquareT.xml

./TextComparer.sh ../Square/SquareGame.xml ../test/Square/SquareGame.xml

./TextComparer.sh ../Square/SquareGameT.xml ../test/Square/SquareGameT.xml
Thanks you for reading
```

If anything wrong, im begging you to email eaminc0328@gmail.com first

My testing result

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| Biosophic Control of Control of
```