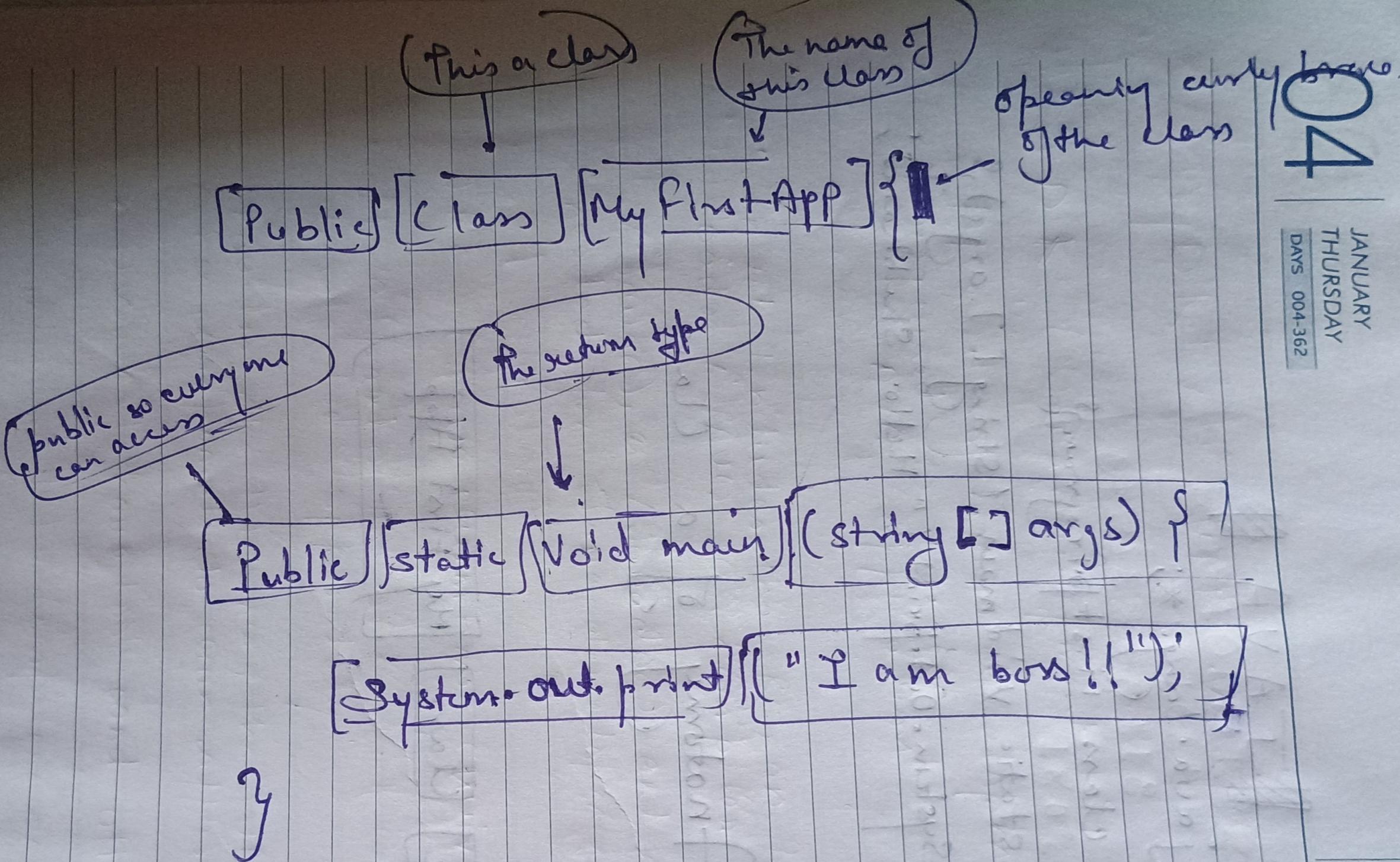


S	M	T	W	T	F	S
1	2	3	4	5	6	
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

JANUARY  
THURSDAY  
DAYS 004-362

# 04



S	M	T	W	T	F	S
			1	2	3	
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29		

FEBRUARY 24

JANUARY  
FRIDAY  
005-361 DAYS

05

## # File Extension

### .Java

- \* Contains Java Source code.
- \* High level Human Readable.
- \* Used for development.
- \* File is editable.

### .Class

- \* Contains Java Bytecode
- \* For consumption of JVM
- \* Used for execution
- \* Not meant to be edited

06

JANUARY  
SATURDAY  
DAYS 006-360

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

JANUARY 24

FEBRUARY 24  
5  
4  
11  
18  
25

## # JDK vs JVM vs JRE

### # JDK (Java development kit)

- It's a software development kit required to develop JAVA application
- ~~Free~~ Includes the JRE, an Interpreter/loader (JAVA), a compiler (Javac), a (Javadoc), and other tools needed for Java development

### # JRE (Java runtime Environment)

- It's a part of the JDK but can be downloaded separately
- Provides the libraries, the JVM, and other components to run applets.
- Does not have tools and utilitie for developers like compilers or.

07 SUNDAY

FEBRUARY '24	S	M	T	W	T	F	S
				1	2	3	
	4	5	6	7	8	9	10
	11	12	13	14	15	16	17
	18	19	20	21	22	23	24
	25	26	27	28	29		

JANUARY  
MONDAY  
008-358 DAYS

08

## JVM (Java virtual Machine)

- \* It's part of JRE and responsible for executing the byte code.
- \* Ensures Java write-once-run-anywhere capability.
- \* Not platform-independent: a different JVM is needed for each type of

### # Showing Output

Eg

```
System.out.print("One");
```

```
System.out.print("Two");
```

```
,, , , , . println("Three");
```

Output # One two three

- \* In (new lines)

09

JANUARY  
TUESDAY  
DAYS 009-357

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

\* Entry point! - It's the entry point of

a Java program, where the execution

starts without the main method, the Java Virtual Machine (JVM)

does not know where to begin running the code.

\* Public & static! - The main method must

be public and static, ensuring it's

\* fixed signature.

public static void main (String args[])