JRE (Java Runtime Environment) :→ JRE consists of JVM and built-in library files used to run Java applications.
JRE present inside JDK.

JDK (Java Development Kit) :→ It is a pacucage given by oracle community which consist of JRE and development tools, which is used to develop and run the java applications.

IMP : Jdu is a platform dependent & software made using Jdu is platform indrependent.

Steps to create, compile and Execute Java programs

Steps1: To create a java program.

Editor	IDE (Integrated Development Environment)
* Notepad	* Eclipse
* Notepad++	* Intellij
* Ms word	* Net Beans
* Edit plus	* vs code.
* Subline.	

Step 2: Save the code with .java Extension.

Syntax → Rules of the language.

Step 3: Invoke the Java compiler and compile the
java files. to

work of Java compiler:
Java compiler checks for syntaxs
(Rules of the language).
If the syntax is right then class
files are generated. (code of language)
If the syntax is wrong then class
files are not generated. (code of language)
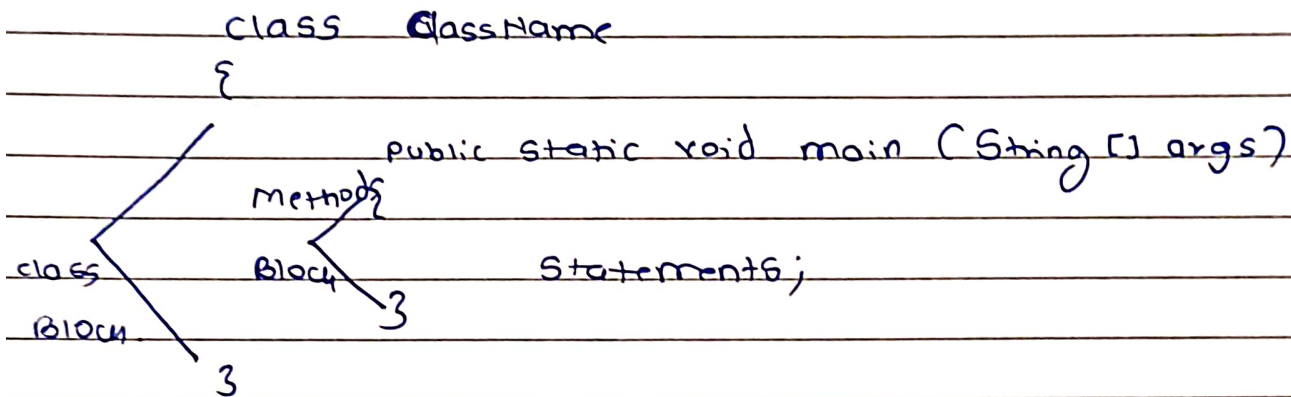Instead it throws compile time error.

(JRE)
Step 4: Invoke the JVM ∧ to execute the class
files.

Basic commands of command Line
Arguments. (CLI commands).

① dir → used to explore directory
② clos → used to clear Screen.
③ drivename: → used to change drive selection.
④ cd → used to change or shift directory from
parent to child folder
⑤ cd.. → used to change directory from child
to parent folder.
⑥ mkdir/ md → used to make directory, using
cmd.
⑦ rmdir/ rd → used to delete directory.

⑧ java -version → used to check java version

✕ javac. –version→ used to check java compiler version.

Structure of Java Programs

class ClassName
{
                    public static void main (String [] args)
    Methods
            Block   Statements;
                        }

class
Block.
            }

class Block:
    • Methods
    • variables
    • constructors
    • Initializers.

Java has two print statement:

① Systrm.out.println :- print & move cursor to next line.

⑪ Systrm.out.print :- print & keep cursor to same line.

First program:
class Hello word
{
        public static void main (String [] args)
        {
            Systrm. out. printtn ("Hello word!");
        }
}