My self -> Naresh 7 years exp IBM

Language

Programming Language -> Java, Python etc

Java -> Java is programming language

Java is high level language

By using java we can develop web applications, android applications and distributed applications.

our goal is to develop web applications and distributed applications.

basic -> core java -> 2 to 3 months

advanced java -> we can learn web applications 1 month

spring -> web applications and distributed applications -> 1 and half month

UI -> html, java script and angular half month

SQL -> it may 15 days

java 8+

Java software -> jdk (java development kit)

10-18-2022

Git(version controll)

Git software

Tortoise git

Java First program

Java Compiler

1. Compiler will check syntax errors
2. Compiler will convert .java into .class files (binary code)
3. class FirstProgram {
4. }

19-10-2022

Git use full things

Clone (first time to get the project from git)

Pull (to get the updates)

Commit(to sync with local git)

Push(to push the code to centralized repository)

Identifier

Identifier nothing but a name.

Allowed characters to give Identifiers.

A to Z

a to z

1 to 9

$

\_

21-10-2022

Reserved Keywords

There are 53 reserved keywords in java.

class

public

void

List of Reserved Java Keywords

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| abstract | assert | [boolean](https://www.thoughtco.com/definition-of-bool-958287) | break | byte | case |
| catch | char | class | const | continue | default |
| double | do | else | enum | extends | false |
| final | finally | float | for | goto | if |
| implements | import | instanceof | int | interface | long |
| native | new | null | package | private | protected |
| public | return | short | static | strictfp | super |
| switch | synchronized | this | throw | throws | transient |
| true | try | void | volatile | While |  |

Recommended way to class name is starting letter should be capital.

How to run java program?

java classname (command)

If we want to run java program what is required?

main method is required.

Main method should be like public static void main(String[] args){}

22-10-2022

Data Types:

Java is strictly typed language.

Data Types

3 types of Data Types

1. Numeric Data Types

2. Characters Data Types

3. Boolean Data Types

Numeric Data Types

1. byte
2. short
3. int
4. long
5. float
6. double

Characters Data Type

1. char

2. String

Boolean Data Types

1. Boolean
2. byte: -128 to 127
3. byte = 1 byte
4. 1 byte = 8 bits
5. short = 2 bytes
6. short = -32768 to 32767
7. short = 16 bits
8. int = 4 bytes
9. int = -2147483648 to 2147483647
10. int = 32 bits
11. long = 8 bytes
12. long = **-9,223,372,036,854,775,808l (-263) to 9,223,372,036,854,775,807l**
13. long = 64 bits

