

Introduction to Programming Basics

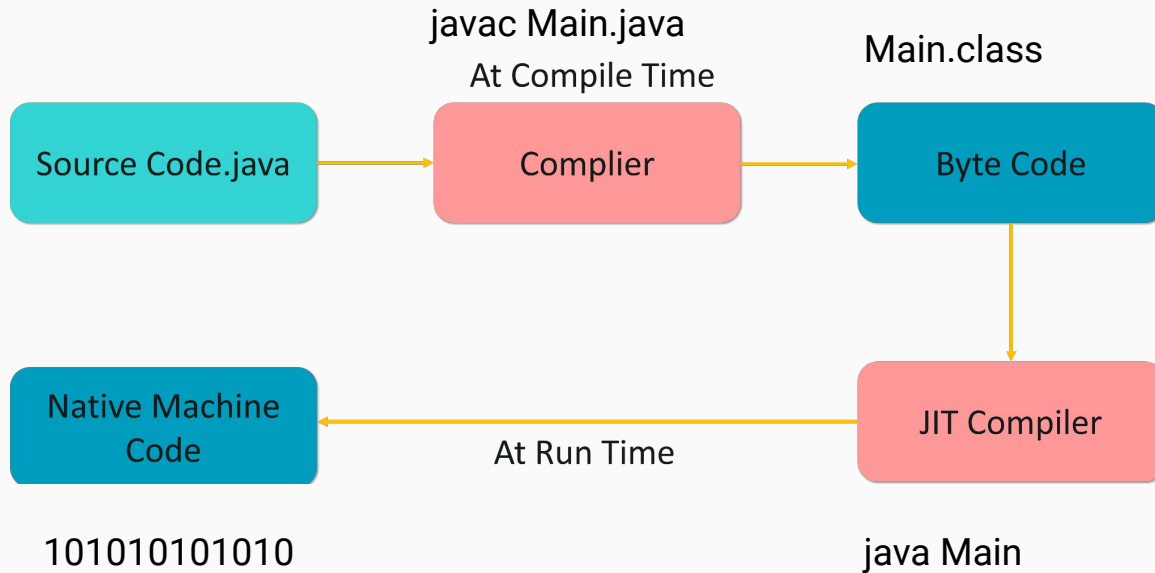
~ Selvamani



Agenda

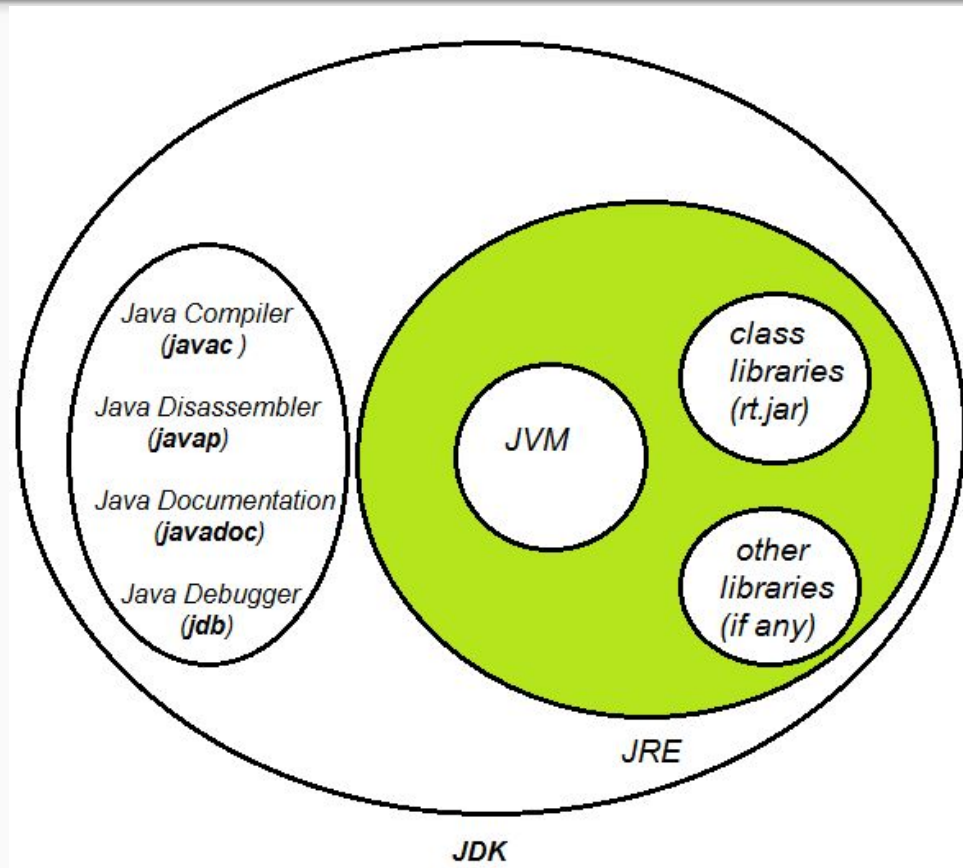
- Getting started with JAVA
- Syntax
 - ;
 - Case sensitivity
 - Comments
- Keywords
- Variables, Data types, constants
-
-

Compiler



Hello world

```
class Main{  
    public static void main(String args[]){  
        System.out.println("Hello word!!!");  
    }  
}
```





Java keywords

short	if	implements	finally	throw
boolean	void	int	long	while
case	do	switch	private	interface
abstract	default	byte	else	try
for	double	class	catch	extends
final	transient	float	instanceof	package
continue	native	public	break	char
protected	return	static	super	synchronized
this	new	throws	import	volatile

Memory



a

25



b

10



TYPE	DESCRIPTION	DEFAULT	SIZE	EXAMPLE LITERALS	RANGE OF VALUES
boolean	true or false	false	1 bit	true, false	true, false
byte	twos complement integer	0	8 bits	(none)	-128 to 127
char	unicode character	\u0000	16 bits	'a', '\u0041', '\101', '\l', '\', '\n', '\b'	character representation of ASCII values 0 to 255
short	twos complement integer	0	16 bits	(none)	-32,768 to 32,767
int	twos complement integer	0	32 bits	-2, -1, 0, 1, 2	-2,147,483,648 to 2,147,483,647
long	twos complement integer	0	64 bits	-2L, -1L, 0L, 1L, 2L	-9,223,372,036,854,775,808 to 9,223,372,036,854,775,807
float	IEEE 754 floating point	0.0	32 bits	1.23e100f, -1.23e-100f, .3f, 3.14F	upto 7 decimal digits
double	IEEE 754 floating point	0.0	64 bits	1.23456e300d, -1.23456e-300d, 1e1d	upto 16 decimal digits

All the best for assignments