

# Java learning Notes

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## Java API Documentation

[Java API website](#)

## Variable naming

1. variable name cannot start with number

```
int 1a = 0; // 1a is invailid variable name, cause Syntax error
```

2. variable can only start with letter combined with letter and number \_, a-z, A-Z, 0-9, no other special characters.
3. prefer camel style: firstName, it is used for variables, method name.
4. cannot use reserved java key words and existing class name for variable name.

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

[Java Reserve Keywords](#)

## First Java Program

```
class Hello {  
    // my main method to run this class  
    public static void main(String[] options) {  
        System.out.println("Hello, World!");  
    }  
}
```

- ? What is the method signature?

✓ 1. method name; 2. argument type and number of arguments; 3. maybe return type

- ? What are the modifiers? ✓
- ? Can I rename main method? ✓
- ? How to create a package? ✓ Right-click **src** folder > New > Package > enter package name