

JDK	java
JRE	java
javac	java -> .class
bytecode	java java
JVM	java java
jar	.class

byte	8	0
short	16	0
char	16	\u0000
int	32	0
long	64	0L
float	32	0.0F
boolean		false

(1 + 2 + 3) / 4.0	double	1.5
11 * 2.0F	float	22.0
(int) 11 * 2.0	double	22.0
11 * (int) 2.0	int	22
(int)(11 * 2.0)	int	44
1 + 2L	long	3
(int) (1 + 2L)	int	3

```
int -> long -> float -> double
int i = (int) 2.20
```

FileReader
cn.hchaojie
.blog.article

(cont)
fileReader
DAY_OF_WEEK

java.lang.Math	
max(3, 100)	100
min(3, 100)	3
abs(-3)	3
pow(2, 10)	1024.0
pow(4, 0.5)	2.0
sqrt(4)	2.0
log(2)	1.0

System.out.printf(format, arg1, arg2)	
String.format(format, arg1, arg2)	
%d	integer
%s	string
%f	double
String.format("%.2f", 20.9988)	20.99

java.lang.String
length()
toUpperCase()
toLowerCase()
charAt(0)
equals()
startsWith(prefix)
endsWith(suffix)
split(delimiter)
String.join()
indexOf()
replace()
valueOf()

class
instance
object
reference
package

```
public class Employee {
    //
    private String idNum;
    private String name;
    private int age;
    //
    public Employee(String id) ...
    public Employee(String id,
String name)
    //
    public String toString() ...
    public void setName() ...
}
```

