

Data Types

Type	Contains	range
boolean	1 byte	True or False
char	16 bytes	
byte	8 bits	-128 to +127
short	16 bits	-32768 to 32767
int	4 bytes	-2147483648 to 2147483647
long	8 Bytes	-9,223,372,036,854,775,808 to 9,223,372,036,854,775,807
float	4 bytes	+/- 3.410-38 to +/- 3.41037 with 7 digits
double	8 Bytes	+/- 1.710-308 to +/- 1.710308 with 15 digits

Combined Assignment Operators

Operator	Example	Equivalent	Value of variable after operation
+=	x += 5;	x = x + 5;	the old value of x plus 5
-=	y -= 2;	y = y - 2;	the old value of y minus 2
*=	z *= 10;	z = z * 10;	the old value of z times 10
/=	a /= b;	a = a / b;	old value of a divided by b.
%=	c %= 3;	c = c % 3;	the remainder of the division of the old value of c divided by 3

Hello World

text file named HelloWorld.java

```

public class HelloWorld {
    public static void main(String[] args) {
        // Prints "Hello, World" in the terminal window.
        System.out.print("Hello, World");
    }
}

```

Diagram labels: name (HelloWorld), main() method (main), statements (System.out.print), body (main method block).



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