Operatoren

Aufgabe 1:

Notiere zum Programmcode den jeweiligen Output:

a.

```
String c1 = "j", c2 = "a" , c3 = "v" ;
String s1 = c1 + c2 +c3 + "a";
System.out.println("s1 : " + s1);

// OUPUT :

int i1 = 1 , i2 = 1 ;
int i3 = i1 * i1++;
int i4 = i2 * ++i2;
System.out.println(i3);
System.out.println(i4);

// OUTPUT :

double d1 = 0.25 , d2 = 5 ;
double d3 = d1 * ++d2;
d3 *= d3 ;
System.out.println(d3);

// OUTPUT :

int i5 = 6 , i6 = 5;
double i7 = (++i6 * i5) / i6-- ;
System.out.println(i7 * i6);

// OUTPUT :


char c4 = 'A' , c5 = 'B' ;
System.out.println(c4 == c5);

// OUTPUT :

boolean b1 = true ;
char c6 = 'L' , c7 = 'F' ;
int i8 = 9;
i8 /= i8 ;
i8++ ;
System.out.println(b1 || c6 == 'F');
System.out.println(b1 && (10 % i8++ ==1));
System.out.println(b1 && (!(c6 == c7)  && (i8 > 2)));

// OUTPUT :

int i9 = 7 , i10 = 8 ;
int i11 = i9 - 9 + ++i10 ;
i11 += ++i10 - (i9--) ;
i11 -=5;
System.out.println(i11);

// OUTPUT :
```

b.

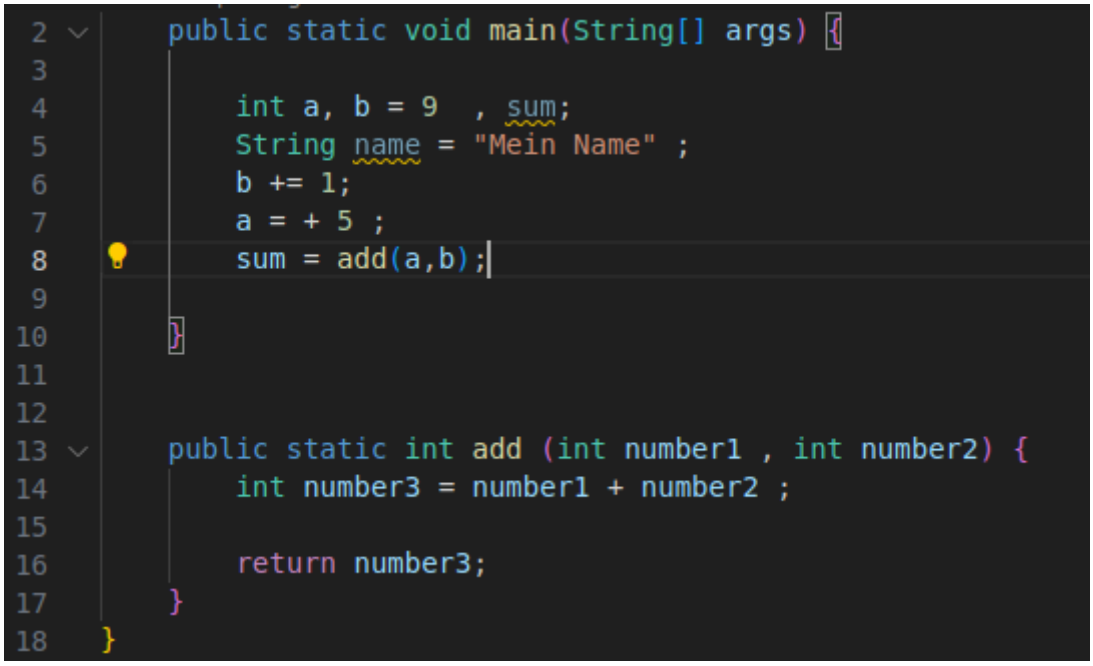
```
int a = 3 , b = 2 , c = 6 , d = 8;

c /= (b++ > a || --a < ++b) ? a : b;
d %= (c-- == ++a || (c + 4) > b++ ) ? c : a;

System.out.println("a : " + a + "  b : " + b + "  c : " + c + "  d : " + d );
```

c.

```
    {
        // Frage 1:
        int a = 5;
        int b = 3;
        int c = 8;
        int result1 = ++a * b-- + c++;

        System.out.println("Frage 1: " + result1);

        // Frage 2:
        int x = 12;
        int y = 4;
        int z = 2;
        boolean result2 = x % y == 0 && (x / y > z || x % z == 0);

        System.out.println("Frage 2: " + result2);

        // Frage 3:
        int m = 7;
        int n = 4;
        int o = 2;
        int result3 = m * (n + o) - m / n;

        System.out.println("Frage 3: " + result3);

        // Frage 4:
        boolean isMorning = true;
        boolean isWeekend = false;
        int temperature = 25;
        boolean result4 = (isMorning && temperature < 30) || (isWeekend &&
temperature >= 25);

        System.out.println("Frage 4: " + result4);
    }
}
```

Aufgabe 2:

Schreibe auf, in welcher Zeile die Datenobjekte Initialisiert und deklariert werden:



```
2    public static void main(String[] args) {
3
4        int a, b = 9   , sum;
5        String name = "Mein Name" ;
6        b += 1;
7        a = + 5 ;
8        sum = add(a,b);
9
10   }
11
12
13   public static int add (int number1 , int number2) {
14       int number3 = number1 + number2 ;
15
16       return number3;
17   }
18 }
```