

## Ej. 1

```

1 public class PruebaApp6 {
2
3
4     public static void main(String[] args) {
5         // TODO Auto-generated method stub
6         int operador1 = 15;
7         int operador2 = 20;
8         int resultado = 0;
9         int suma = 0;
10        int resta1 = 0;
11        int resta2 = 0;
12        int multiplicacion = 0;
13        int division = 0;
14        int modulo = 0;
15
16
17        suma= operador1+operador2; //resultado = 35
18        resta1= operador1-operador2; //resultado = 5
19        resta2= operador2-operador1; //resultado = -5
20        multiplicacion= operador1*operador2; //resultado = 300
21        division= operador1/operador2; //resultado = 1 (como es int, no incluye decimales)
22        modulo= operador1%operador2; //resultado = 5 (el resto de la división)
23
24        System.out.println("El resultado de la suma es "+suma);
25        System.out.println("El resultado de la resta1 es "+resta1);
26        System.out.println("El resultado de la resta2 es "+resta2);
27        System.out.println("El resultado de la multiplicacion es "+multiplicacion);
28        System.out.println("El resultado de la division es "+division);
29        System.out.println("El resultado de la modulo es "+modulo);
30    }
31
32 }
33

```

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<terminated> T04ej2 [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.exe (5 feb 2024 13:00:00 – 13:00:01) [pid: 19060]

```

Variable N = 5
Variable A = 8.5
Variable C = a
5 + 8.5 = 13.5
5 - 8.5 = 3.5
Valor numérico del carácter a = 26

```

## Ej. 2

```

1
2 public class T04ej2 {
3
4     public static void main(String[] args) {
5         // TODO Auto-generated method stub
6         int N=5;
7         double A=8.5;
8         char C='a';
9         int a=26;
10
11
12        double suma=0;
13        double resta=0;
14
15        suma=(N+A);
16        resta=(A-N);
17
18        System.out.println("Variable N = "+N);
19        System.out.println("Variable A = "+A);
20        System.out.println("Variable C = "+C);
21        System.out.println(+N+ " + " +A+ " = " + suma);
22        System.out.println(+N+ " - " +A+ " = " + resta);
23        System.out.println("Valor numérico del carácter a = |" +a);
24    }
25

```

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<terminated> T04ej2 [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.exe (5 feb 2024 13:07:28 – 13:07:29) [pid: 20660]

```

Variable N = 5
Variable A = 8.5
Variable C = a
5 + 8.5 = 13.5
5 - 8.5 = 3.5
Valor numérico del carácter a = 26

```

### Ej. 3

The screenshot displays an IDE with a Java source file and its execution output. The source code defines variables X, Y, M, and N, and prints their values and various arithmetic operations. The console output shows the results of these operations.

```
1 public static void main(String[] args) {
2     // TODO Auto-generated method stub
3     int X=7;
4     int Y=6;
5     double M=5.579;
6     double N=1.14154;
7
8     System.out.println("X+Y="+ (X+Y));
9     System.out.println("X-Y="+ (X-Y));
10    System.out.println("X*Y="+ (X*Y));
11    System.out.println("X/Y="+ (X/Y));
12    System.out.println("X%Y="+ (X%Y));
13    System.out.println("M+N="+ (M+N));
14    System.out.println("M-M="+ (M-M));
15    System.out.println("M*M="+ (M*M));
16    System.out.println("M/M="+ (M/M));
17    System.out.println("M%N="+ (M%N));
18    System.out.println("N-M="+ (N-M));
19    System.out.println("N/M="+ (N/M));
20    System.out.println("N%M="+ (N%M));
21    System.out.println("X+N="+ (X+N));
22    System.out.println("Y/M="+ (Y/M));
23    System.out.println("Y%M="+ (Y%M));
24    System.out.println("X*Y="+ (X*Y));
25    System.out.println("X/Y="+ (X/Y));
26    System.out.println("X%Y="+ (X%Y));
27    System.out.println("X+Y+M="+ (X+Y+M));
28    System.out.println("X*Y*N*M="+ (X*Y*N*M));
29 }
```

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<terminated> T04ej3 [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.exe (5 feb 2024 13:37:45 – 13:37:45) [pid: 3484]

X+Y=8  
X-Y=-4  
X\*Y=12  
X/Y=0  
X%Y=2  
N+M=11.79906  
N-M=5.5159400000000005  
N\*M=27.198055700000005  
N/M=2.755796483275825  
N%M=2.3743800000000004  
X+N=10.6575  
Y/M=1.9098791683112848  
Y%M=2.85844  
2X\*=4  
2Y=12  
2N=17.315  
2M=6.28312  
X+Y+N+M=19.799059999999997  
X\*Y\*N\*M=326.3766684000001

### Ej. 4

```
1
2 public class T04ej4 {
3
4     public static void main(String[] args) {
5         // TODO Auto-generated method stub
6         int N=4;
7
8         System.out.println("N+77="+ (N+77));
9         System.out.println("N-3="+ (N-3));
10        System.out.println("N*2="+ (2*N));
11
12
13    }
14
15 }
16
```

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<terminated> T04ej4 [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.exe (5 feb 2024 13:46:22 – 13:46:26) [pid: 19168]

N+77=81  
 N-3=1  
 N\*2=8

## Ej. 5

```
1 public class T04ej5 {
2
3
4     public static void main(String[] args) {
5         // TODO Auto-generated method stub
6         int A=2;
7         int B=4;
8         int C=7;
9         int D=5;
10
11         System.out.println("Valores iniciales:");
12         System.out.println("A: " + A + ", B: " + B + ", C: " + C + ", D: " + D);
13
14         // Realizar intercambio de valores
15         int temp = B;
16         B = C;
17         C = A;
18         A = D;
19         D = temp;
20
21         // Mostrar los valores después del intercambio
22         System.out.println("Valores después del intercambio:");
23         System.out.println("A: " + A + ", B: " + B + ", C: " + C + ", D: " + D);
24
25     }
26
27 }
28
```

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<terminated> T04ej5 [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.exe (5 feb 2024 14:48:27 – 14:48:28) [pid: 17288]

Valores iniciales:  
A: 2, B: 4, C: 7, D: 5  
Valores después del intercambio:  
A: 5, B: 7, C: 2, D: 4