



Universidad Autónoma De Tamaulipas

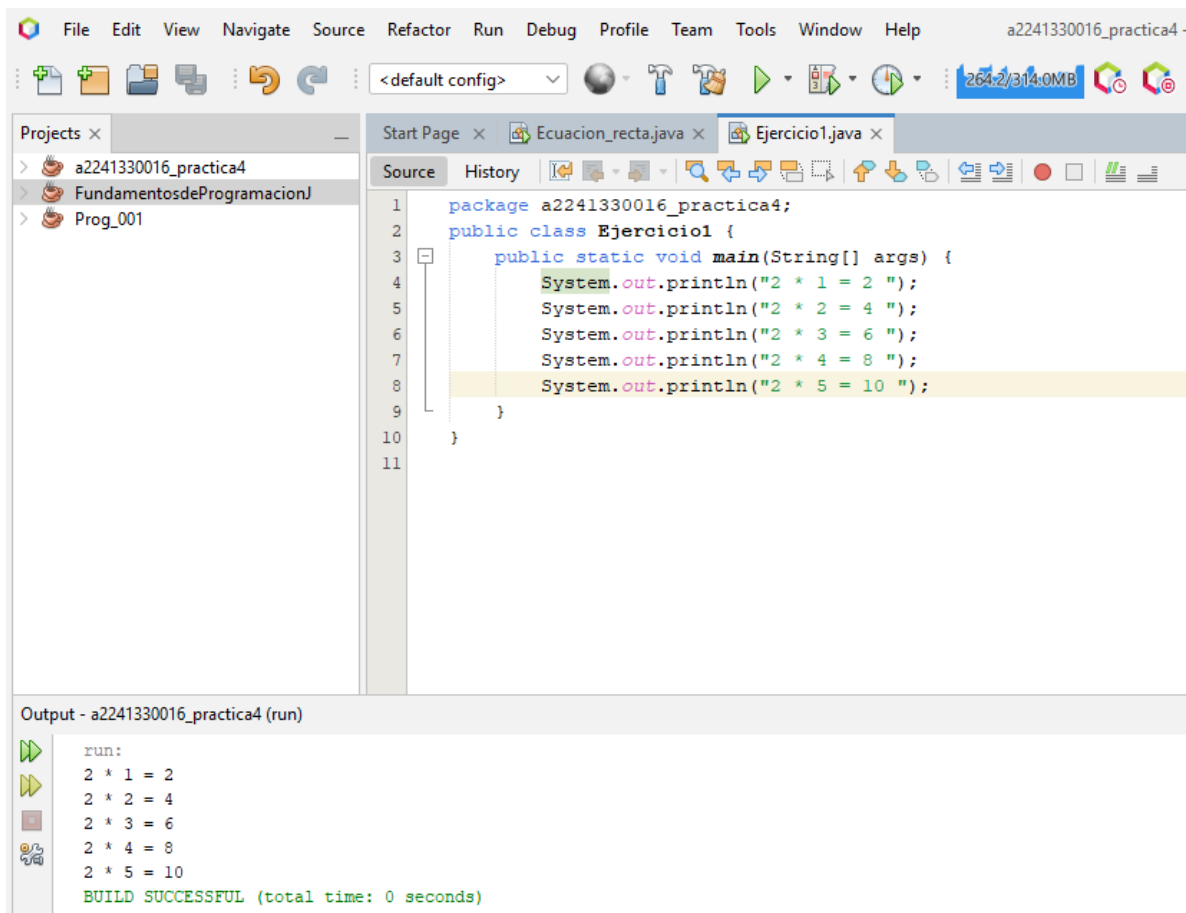
Fundamentos de Programación

1-N

Practica 4

Molina Meneses Diego

Ejercicio1:



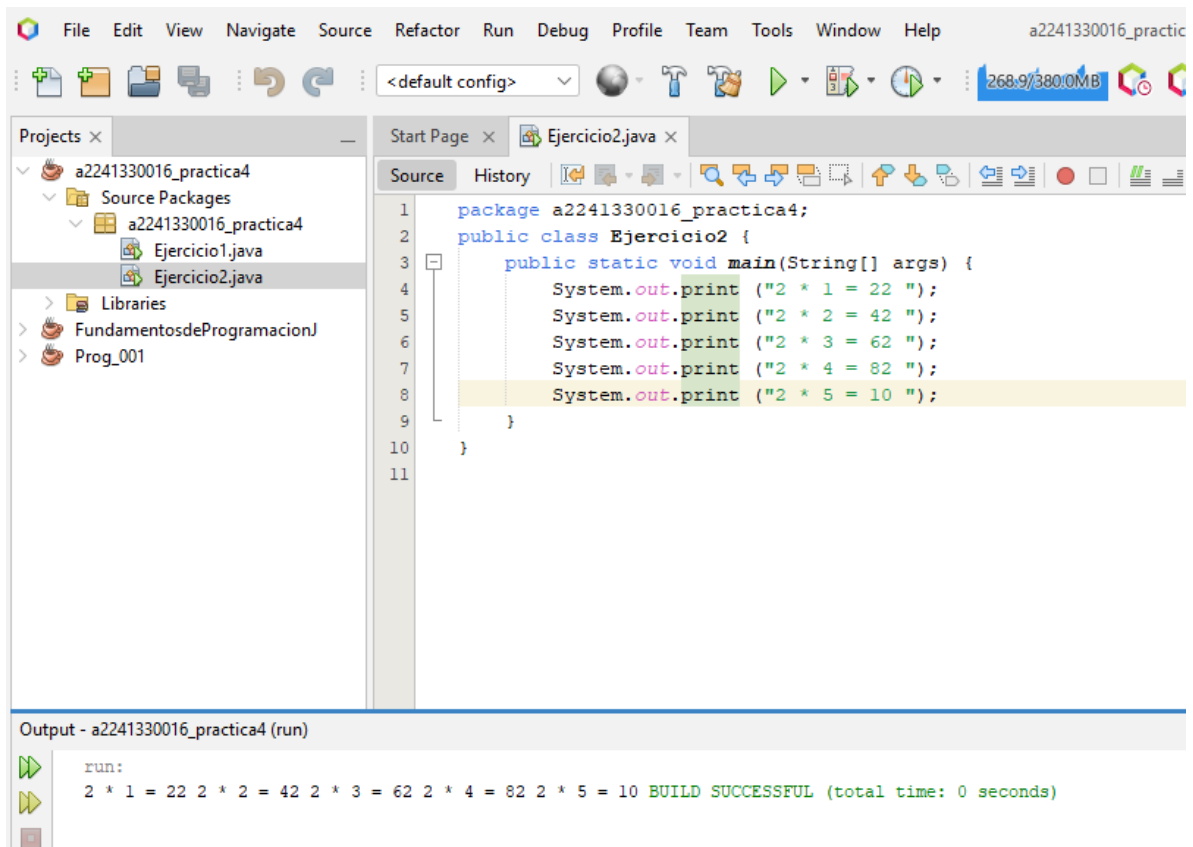
The screenshot shows an IDE with the following components:

- Menu Bar:** File, Edit, View, Navigate, Source, Refactor, Run, Debug, Profile, Team, Tools, Window, Help.
- Toolbar:** Includes icons for file operations, a configuration dropdown set to "<default config>", a memory indicator showing "264.2/314.0MB", and other development tools.
- Projects View:** Displays a project tree with "a2241330016_practica4" expanded, showing sub-projects "FundamentosdeProgramacionJ" and "Prog_001".
- Editor:** Shows the source code of "Ejercicio1.java". The code is as follows:

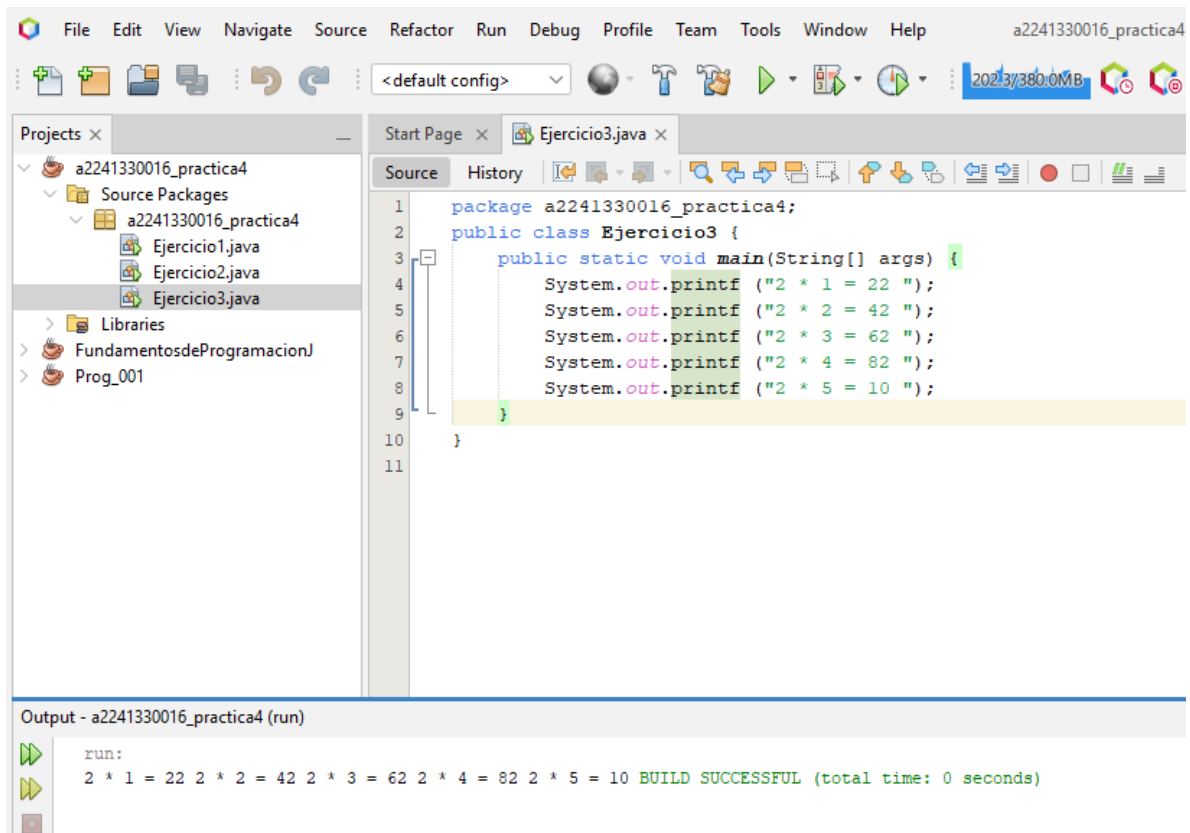
```
1 package a2241330016_practica4;
2 public class Ejercicio1 {
3     public static void main(String[] args) {
4         System.out.println("2 * 1 = 2 ");
5         System.out.println("2 * 2 = 4 ");
6         System.out.println("2 * 3 = 6 ");
7         System.out.println("2 * 4 = 8 ");
8         System.out.println("2 * 5 = 10 ");
9     }
10 }
11
```
- Output View:** Titled "Output - a2241330016_practica4 (run)", it shows the execution results:

```
run:
2 * 1 = 2
2 * 2 = 4
2 * 3 = 6
2 * 4 = 8
2 * 5 = 10
BUILD SUCCESSFUL (total time: 0 seconds)
```

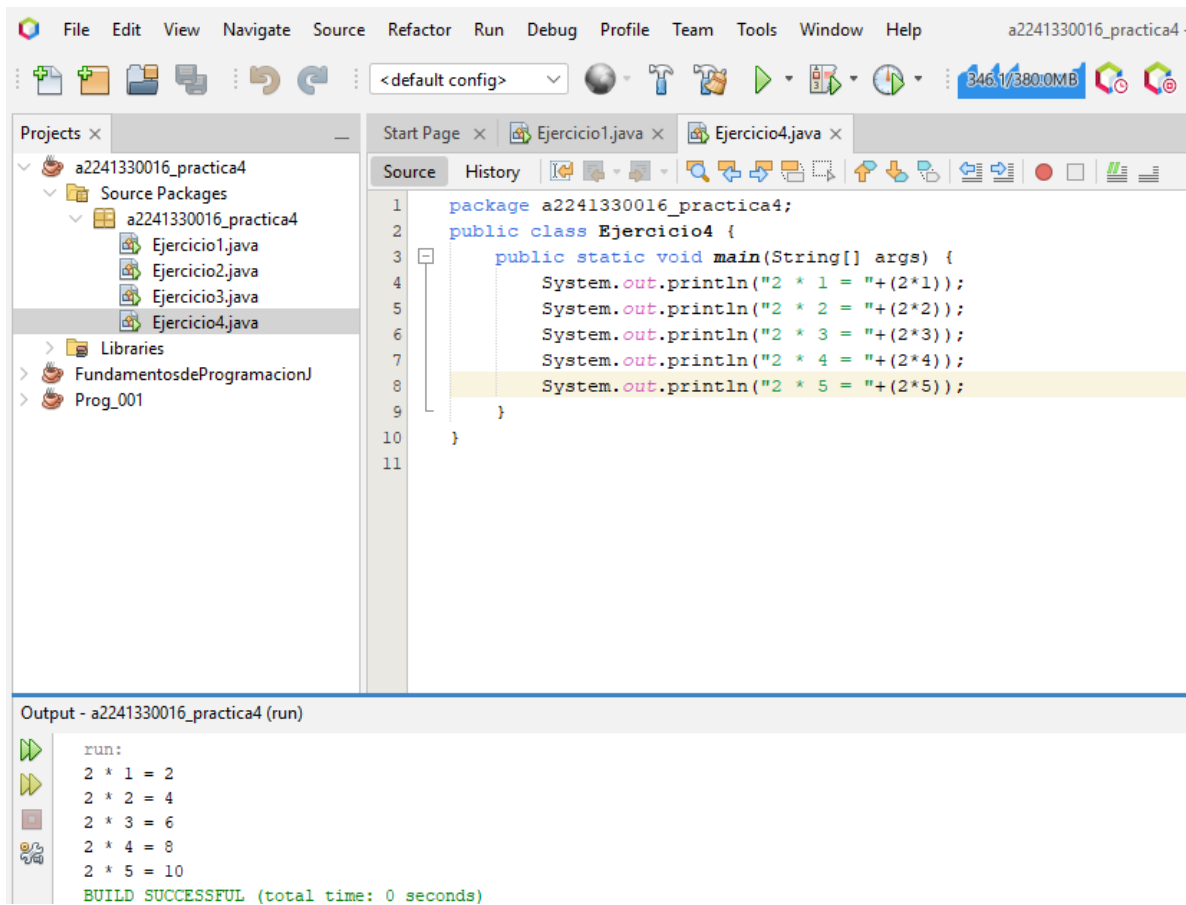
Ejercicio2:



Ejercicio 3:



Ejercicio 4:



Ejercicio 5:

The screenshot shows the NetBeans IDE with the file `Ejercicio5.java` open. The code defines a package `a2241330016_practica4` and a class `Ejercicio5` with a `main` method. The `main` method prints five multiplication results: `2 * 1 = 2`, `2 * 2 = 4`, `2 * 3 = 6`, `2 * 4 = 8`, and `2 * 5 = 10`. The output window at the bottom shows the results of running the program, which are: `run:`, `2 * 1 = 2`, `2 * 2 = 4`, `2 * 3 = 6`, `2 * 4 = 8`, and `2 * 5 = 10`. The output also indicates that the build was successful and took 0 seconds.

```
package a2241330016_practica4;
public class Ejercicio5 {
    public static void main(String[] args) {
        System.out.print("2 * 1 = "+(2*1));
        System.out.println();
        System.out.print("2 * 2 = "+(2*2));
        System.out.print("2 * 3 = "+(2*3));
        System.out.print("2 * 4 = "+(2*4));
        System.out.print("2 * 5 = "+(2*5));
    }
}
```

Output - a2241330016_practica4 (run)

```
run:
2 * 1 = 2
2 * 2 = 4
2 * 3 = 6
2 * 4 = 8
2 * 5 = 10
BUILD SUCCESSFUL (total time: 0 seconds)
```

Ejercicio 6:

The screenshot shows the NetBeans IDE with the file `Ejercicio6.java` open. The code defines a package `a2241330016_practica4` and a class `Ejercicio6` with a `main` method. The `main` method prints the price of a Coca Cola can (\$15), the quantity sold (10), the subtotal (150), the IVA (24.0), and the total (174.0). The output window at the bottom shows the results of running the program, which are: `run:`, `Coca Cola de lata -> $15`, `Cantidad vendida 10`, `SubTotal es -> 150`, `el iva es -> 24.0`, and `El total es -> 174.0`. The output also indicates that the build was successful and took 0 seconds.

```
package a2241330016_practica4;
public class Ejercicio6 {
    public static void main(String[] args) {
        System.out.println("Coca Cola de lata -> $15");
        System.out.print("Cantidad vendida 10 ");
        System.out.print(" SubTotal es -> " + (15*10) + " el iva es -> " + ((15*10)*0.16));
        System.out.println();
        System.out.println("El total es -> " + ((15*10)+((15*10)*0.16)));
    }
}
```

Output - a2241330016_practica4 (run)

```
run:
Coca Cola de lata -> $15
Cantidad vendida 10 SubTotal es -> 150 el iva es -> 24.0
El total es -> 174.0
BUILD SUCCESSFUL (total time: 0 seconds)
```

Ejercicio 7:

The screenshot shows the Apache NetBeans IDE interface. The 'Projects' pane on the left displays a project named 'a2241330016_practica4' with a sub-package 'a2241330016_practica4' containing files 'Ejercicio1.java' through 'Ejercicio7.java'. The 'Source' pane shows the code for 'Ejercicio7.java':

```
1 package a2241330016_practica4;
2 public class Ejercicio7 {
3     public static void main(String[] args) {
4         System.out.println("Cocal cola de lata -> 15.45");
5         System.out.print("Cantidad vendida 12 ");
6         System.out.print(" el Subtotal es-> " + (15.45*12) + " el iva es -> " + ((15.45*12)*0.16));
7         System.out.println();
8         System.out.println("El total es-> " + ((15.45*12)+((15.45*12)*0.16)));
9     }
10 }
11
12
13
```

The 'Output' pane at the bottom shows the results of running the program:

```
run:
Cocal cola de lata -> 15.45
Cantidad vendida 12 el Subtotal es->185.39999999999998 el iva es -> 29.663999999999998
El total es-> 215.06399999999996
BUILD SUCCESSFUL (total time: 0 seconds)
```

Ejercicio 8:

The screenshot shows the Apache NetBeans IDE interface. The 'Projects' pane on the left displays a project named 'a2241330016_practica4' with a sub-package 'a2241330016_practica4' containing files 'Ejercicio1.java' through 'Ejercicio8.java'. The 'Source' pane shows the code for 'Ejercicio8.java':

```
1 package a2241330016_practica4;
2 public class Ejercicio8 {
3     public static void main(String[] args) {
4         System.out.println("Cocal cola de lata -> 15.45");
5         System.out.print("Cantidad vendida 12 ");
6         System.out.printf(" el SubTotal es -> %.2f el iva es -> %.2f El total es -> %.2f", (15.45*12), ((15.45*12)*0.16),
7             ((15.45*12)+((15.45*12)*0.16)));
8     }
9 }
10
11
```

The 'Output' pane at the bottom shows the results of running the program:

```
run:
Cocal cola de lata -> 15.45
Cantidad vendida 12 el SubTotal es -> 185.4000 el iva es -> 29.66 El total es -> 215.06BUILD SUCCESSFUL (total time: 0 seconds)
```

Ejercicio 9:

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help a2241330016_practica4 - Apache NetBeans IDE 20 Search (Ctrl+I)

Projects x

- a2241330016_practica4
 - Source Packages
 - a2241330016_practica4
 - Ejercicio1.java
 - Ejercicio2.java
 - Ejercicio3.java
 - Ejercicio4.java
 - Ejercicio5.java
 - Ejercicio6.java
 - Ejercicio7.java
 - Ejercicio8.java
 - Ejercicio9.java
 - Test Packages
 - Libraries
 - Test Libraries
 - FundamentosdeProgramacionI
 - Prog_001

Start Page x Ejercicio9.java x

Source History

```
1 package a2241330016_practica4;
2 public class Ejercicio9 {
3     public static void main(String[] args) {
4         System.out.print("Coca cola de lata -> 15.45 \n");
5         System.out.println("Cantidad vendida % SubTotal Iva % Total");
6         System.out.printf("%d \t %.4f \t %.2f \t %.2f", 12, (15.45*12), ((15.45*12)*0.16), ((15.45*12)+((15.45*12)*0.16)));
7     }
8 }
9
10
11
```

Output - a2241330016_practica4 (run)

TURN:

Coca cola de lata -> 15.45

Cantidad vendida % SubTotal Iva % Total

12	185.4000	29.66	215.06
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BUILD SUCCESSFUL (total time: 0 seconds)