

ATV1

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onlinegdb.com/online_java_compiler

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Language Java

```
1 import java.util.Scanner;
2 public class Main
3 {
4     public static void main(String[] args) {
5         Scanner sc = new Scanner(System.in);
6         System.out.println("Digite o raio do circulo que deseja descobrir a area");
7         int raio = sc.nextInt();
8         double resultado = calcular(raio);
9         System.out.printf("A area do circulo correspondente ao raio é %.2f", resultado);
10    }
11    public static double calcular(double raio) {
12        double res = 3.14 * Math.pow(raio, 2);
13        return res;
14    }
15 }
16 }
17 }
```

input

```
Digite o raio do circulo que deseja descobrir a area
5
A area do circulo correspondente ao raio é 78.50

...Program finished with exit code 0
Press ENTER to exit console.
```

Pesquisar

POR 19:53
PTB2 30/01/2024

ATV2

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Main.java

```
1- /*****
2-
3-      Online Java Compiler.
4-      Code, Compile, Run and Debug java program online.
5-      Write your code in this editor and press "Run" button to execute it.
6-
7- *****/
8- import java.util.Scanner;
9- public class Main
10- {
11-     public static void main(String[] args) {
12-         Scanner sc = new Scanner(System.in);
13-         System.out.println("-----CALCULO QUADRADO-----");
14-         System.out.println("Digite o comprimento do lado do quadrado");
15-         double lado = sc.nextDouble();
16-         double area = Math.pow(lado, 2);
17-         System.out.printf("A area do quadrado é %.2f %n", area);
18-         double dobroArea = area * 2;
19-         System.out.printf("O dobro desta area é %.2f %n", dobroArea);
20-     }
21- }
22-
```

input

-----CALCULO QUADRADO-----
Digite o comprimento do lado do quadrado
5
A area do quadrado é 25.00
O dobro dessa area é 50.00

...Program finished with exit code 0
Press ENTER to exit console.

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POR 20:04
PTB2 30/01/2024

ATV3

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Main.java

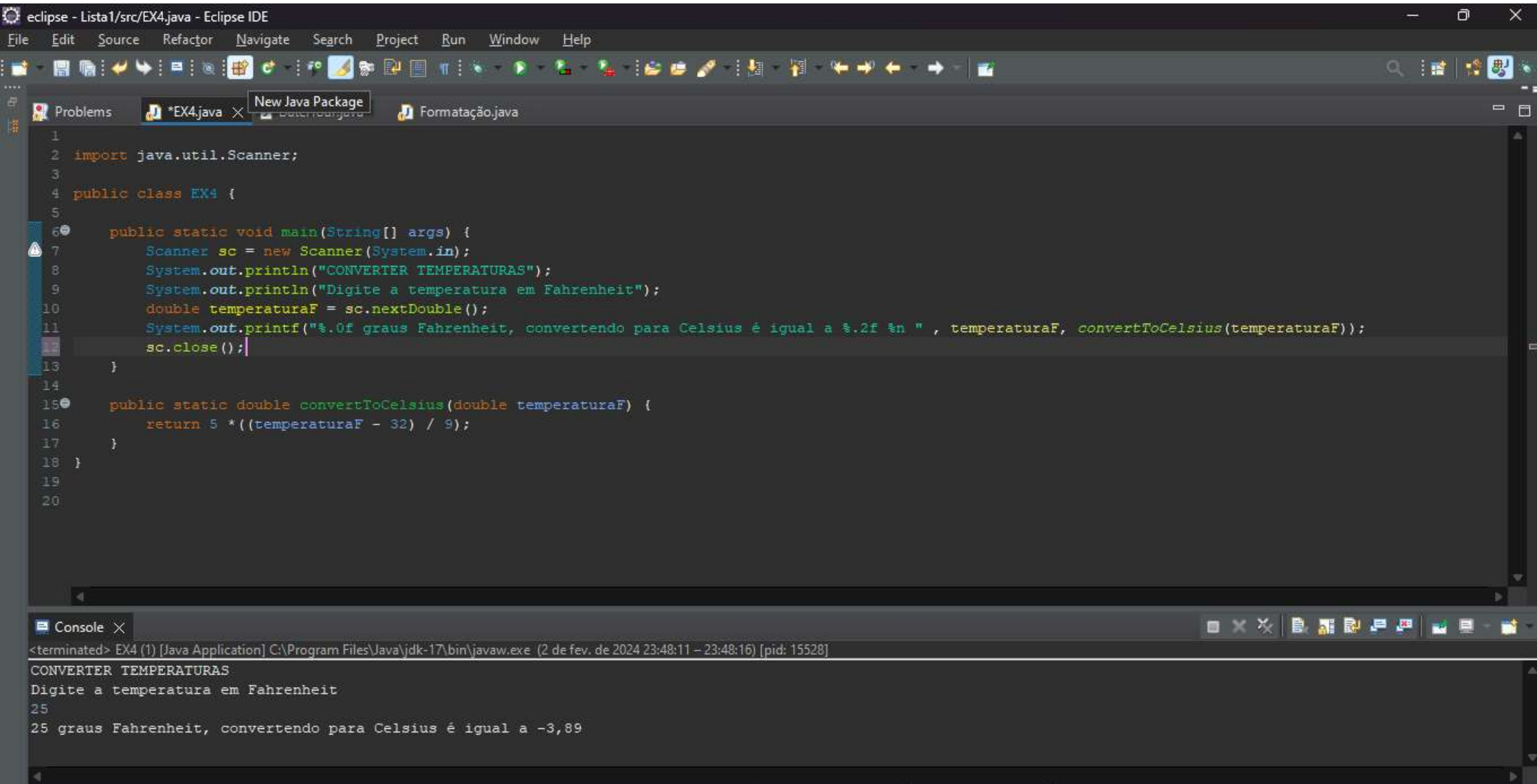
```
1- /*****  
2  
3  
4  
5  
6  
7  
8- import java.util.Scanner;  
9 public class Main  
10 {  
11     public static void main(String[] args) {  
12         Scanner sc = new Scanner(System.in);  
13         System.out.println("SISTEMA DE CALCULO DE SALARIO");  
14         System.out.println("Digite quanto você ganha por hora");  
15         double valueHora = sc.nextDouble();  
16         System.out.println("Digite quantas horas você trabalha por mês");  
17         int horasTrabalhadas = sc.nextInt();  
18         double salary = valueHora * horasTrabalhadas;  
19         System.out.printf("Seu salario é %.2f" , salary);  
20     }  
21 }  
22
```

input
SISTEMA DE CALCULO DE SALARIO
Digite quanto você ganha por hora
6.80
Digite quantas horas você trabalha por mês
145
Seu salario é 986.00
...Program finished with exit code 0
Press ENTER to exit console.

Language Java

20:36
PTB2 30/01/2024

ATV4



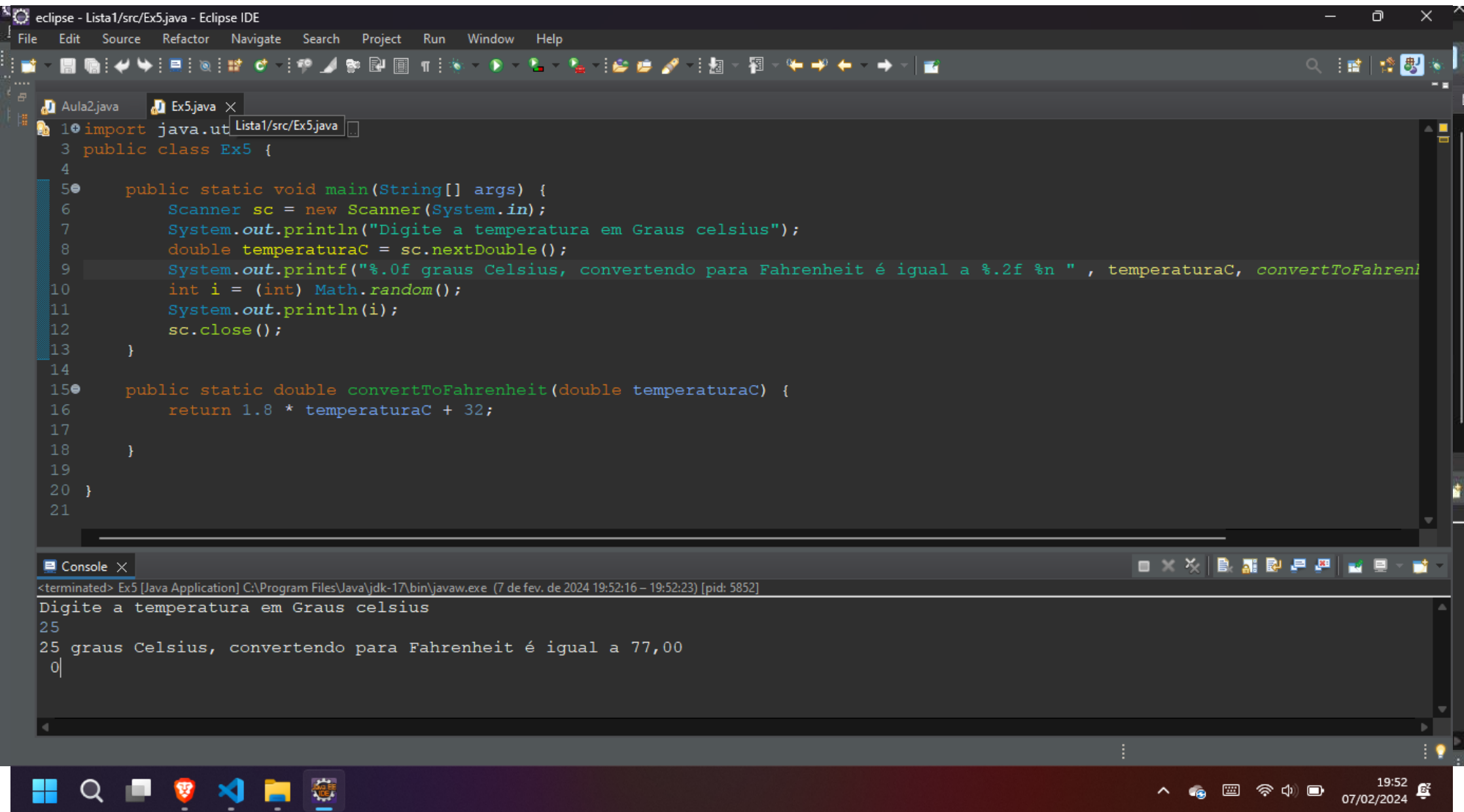
The screenshot shows the Eclipse IDE interface. The top menu bar includes File, Edit, Source, Refactor, Navigate, Search, Project, Run, Window, and Help. The toolbar contains various icons for file operations and development. The left sidebar shows the 'Problems' view and the 'Package Explorer' with a project named 'Lista1' containing a package 'src' and a file 'EX4.java'. The main editor window displays the source code for 'EX4.java'. The code imports 'java.util.Scanner', defines a public class 'EX4', and includes a 'main' method that prompts the user for a temperature in Fahrenheit and prints the converted value in Celsius. A static method 'convertToCelsius' is also defined. The bottom console window shows the execution output, including the program's termination message and the user's input '25' and the resulting output '25 graus Fahrenheit, convertendo para Celsius é igual a -3,89'.

```
1 import java.util.Scanner;
2
3
4 public class EX4 {
5
6     public static void main(String[] args) {
7         Scanner sc = new Scanner(System.in);
8         System.out.println("CONVERTER TEMPERATURAS");
9         System.out.println("Digite a temperatura em Fahrenheit");
10        double temperaturaF = sc.nextDouble();
11        System.out.printf("%.0f graus Fahrenheit, convertendo para Celsius é igual a %.2f %n ", temperaturaF, convertToCelsius(temperaturaF));
12        sc.close();
13    }
14
15    public static double convertToCelsius(double temperaturaF) {
16        return 5 * ((temperaturaF - 32) / 9);
17    }
18 }
19
20
```

Console Output:

```
<terminated> EX4 (1) [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.exe (2 de fev. de 2024 23:48:11 - 23:48:16) [pid: 15528]
CONVERTER TEMPERATURAS
Digite a temperatura em Fahrenheit
25
25 graus Fahrenheit, convertendo para Celsius é igual a -3,89
```


ATV5



The screenshot shows the Eclipse IDE with a Java project named 'Lista1'. The editor displays the file 'Ex5.java' with the following code:

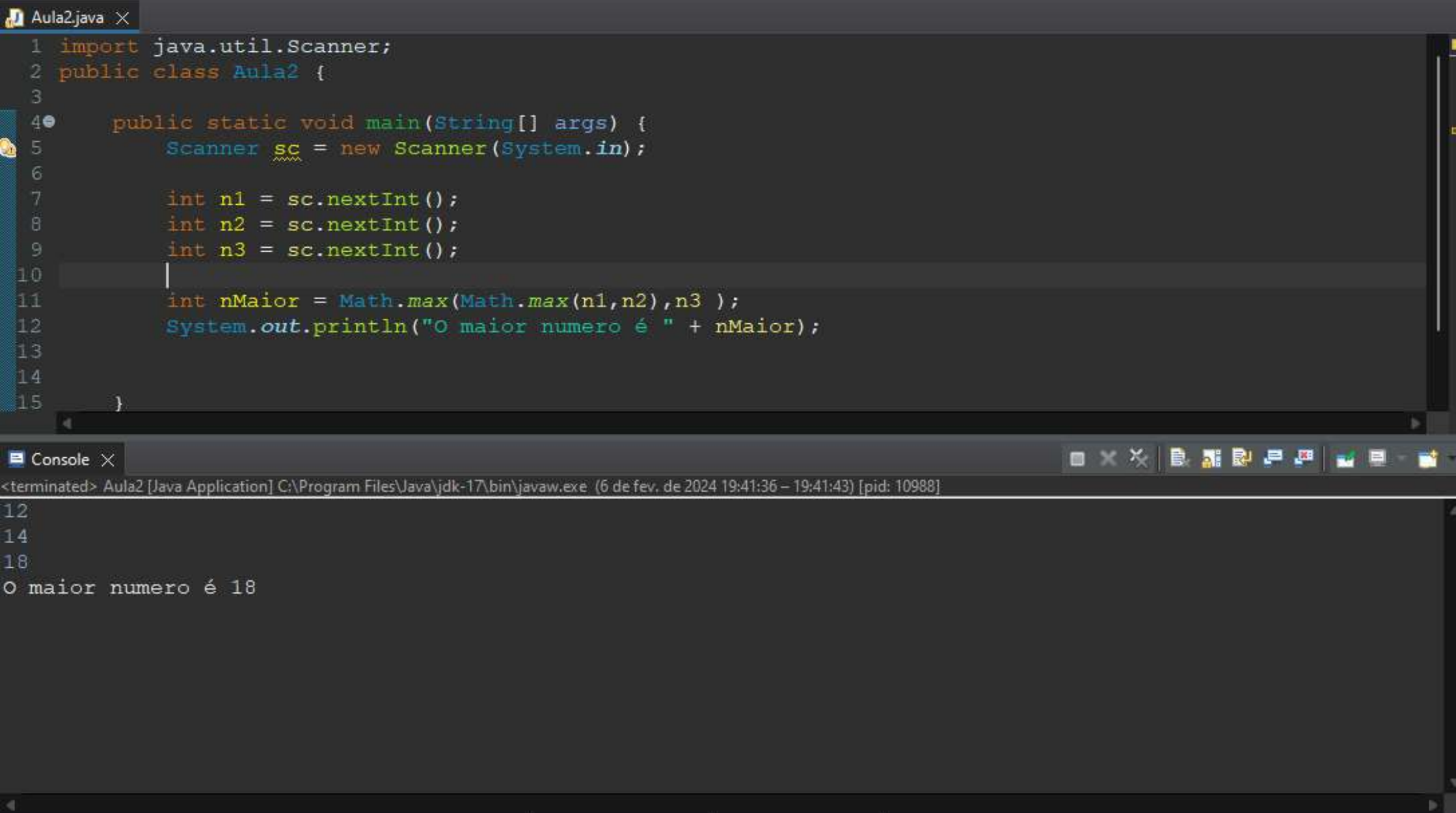
```
1 import java.util.Scanner;
2
3 public class Ex5 {
4
5     public static void main(String[] args) {
6         Scanner sc = new Scanner(System.in);
7         System.out.println("Digite a temperatura em Graus celsius");
8         double temperaturaC = sc.nextDouble();
9         System.out.printf("%.0f graus Celsius, convertendo para Fahrenheit é igual a %.2f %n ", temperaturaC, convertToFahrenheit(temperaturaC));
10        int i = (int) Math.random();
11        System.out.println(i);
12        sc.close();
13    }
14
15    public static double convertToFahrenheit(double temperaturaC) {
16        return 1.8 * temperaturaC + 32;
17    }
18 }
19
20
21
```

The console output shows the program execution:

```
<terminated> Ex5 [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.exe (7 de fev. de 2024 19:52:16 - 19:52:23) [pid: 5852]
Digite a temperatura em Graus celsius
25
25 graus Celsius, convertendo para Fahrenheit é igual a 77,00
0|
```

The taskbar at the bottom shows the Windows taskbar with the Start button, search icon, and several application icons. The system clock indicates the time is 19:52 on 07/02/2024.

ATV6



The image shows a screenshot of an IDE with two panels. The top panel, titled 'Aula2.java', contains the following Java code:

```
1 import java.util.Scanner;
2 public class Aula2 {
3
4     public static void main(String[] args) {
5         Scanner sc = new Scanner(System.in);
6
7         int n1 = sc.nextInt();
8         int n2 = sc.nextInt();
9         int n3 = sc.nextInt();
10
11         int nMaior = Math.max(Math.max(n1, n2), n3);
12         System.out.println("O maior numero é " + nMaior);
13
14     }
15 }
```

The bottom panel, titled 'Console', shows the output of the program:

```
<terminated> Aula2 [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.exe (6 de fev. de 2024 19:41:36 - 19:41:43) [pid: 10988]
12
14
18
O maior numero é 18
```

ATV7

```
Aula2.java X
1 import java.util.Scanner;
2 public class Aula2 {
3
4     public static void main(String[] args) {
5         Scanner sc = new Scanner(System.in);
6
7         int n1 = sc.nextInt();
8         int n2 = sc.nextInt();
9         int n3 = sc.nextInt();
10
11         int nMaior = Math.max(Math.max(n1, n2), n3);
12         int nMenor = Math.min(Math.min(n1, n2), n3);
13         System.out.println("O maior numero é " + nMaior);
14         System.out.println("O menor numero é " + nMenor);
15
16
17     }
18
19 }
20
```

Console X

<terminated> Aula2 [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.exe (6 de fev. de 2024 19:45:43 – 19:45:50) [pid: 6748]

```
13
18
O maior numero é 18
O menor numero é 12
```

ATV8

Aula2.java X

```
2 public class Aula2 {
3
4     public static void main(String[] args) {
5         Scanner sc = new Scanner(System.in);
6
7         double valuep1 = sc.nextDouble();
8         double valuep2 = sc.nextDouble();
9         double valuep3 = sc.nextDouble();
10        double mprod ;
11        if (valuep1 > valuep2 && valuep1 > valuep3) {
12            mprod = valuep1;
13        }
14        else if (valuep2 > valuep1 && valuep2 > valuep3) {
15            mprod = valuep2;
16        }
17        else {
18            mprod = valuep3;
19        }
20        System.out.println("O melhor produto para se comprar custara R$ " + mprod);
21
22    }
```


ATV9

Aula2.java X

```
7 public static void main(String[] args) {  
8     Scanner sc = new Scanner(System.in);  
9     System.out.println("Quantos numeros serão digitados?");  
10    int n = sc.nextInt();  
11    int[] numbers = new int[n];  
12  
13    for(int i = 0; i < numbers.length; i++) {  
14        numbers[i] = sc.nextInt();  
15    }  
16  
17  
18    for (int i = 1; i < numbers.length; i++) {  
19        for (int j = 0; j < i; j++) {  
20            if (numbers[i] > numbers[j]) {  
21                int temp = numbers[i];  
22                numbers[i] = numbers[j];  
23                numbers[j] = temp;  
24            }  
25        }  
26    }  
27    for(int i = 0; i < numbers.length; i++) {  
28        System.out.println(numbers[i]);  
29    }  
30 }  
31  
32
```

Console X

<terminated> Aula2 [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.exe (6 de fev. de 2024 23:25:15 – 23:25:22) [pid: 15808]

Quantos numeros serão digitados?

3
8
12
6
12
8
6

ATV10

App.java X

src > App.java > App > main(String[])

1 import java.util.Scanner;
2 public class App {
3 public static void main(String[] args) {
4 Scanner sc = new Scanner(System.in);
5 System.out.println(x:"Digite o turno em que você estuda ");
6 System.out.println(x:"M-matutino V-vespertino N-Noturno");
7 char turno = sc.next().charAt(index:0);
8
9 if (turno == 'M') {
10 System.out.println(x:"Bom dia");
11 }
12 else if (turno == 'V') {
13 System.out.println(x:"Boa tarde");
14 }
15 else {
16 System.out.println(x:"Boa noite");
17 }
18 }
19 }

Run | Debug

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

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PS C:\Users\ruans\OneDrive\Área de Trabalho\aula> & 'C:\Program Files\Java\jdk-17\bin\java.exe' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\ruans\OneDrive\Área de Trabalho\aula\bin' 'App'
Digite o turno em que você estuda
M-matutino V-vespertino N-Noturno
M
Bom dia

+ v ... ^ x

powershell
Run: App