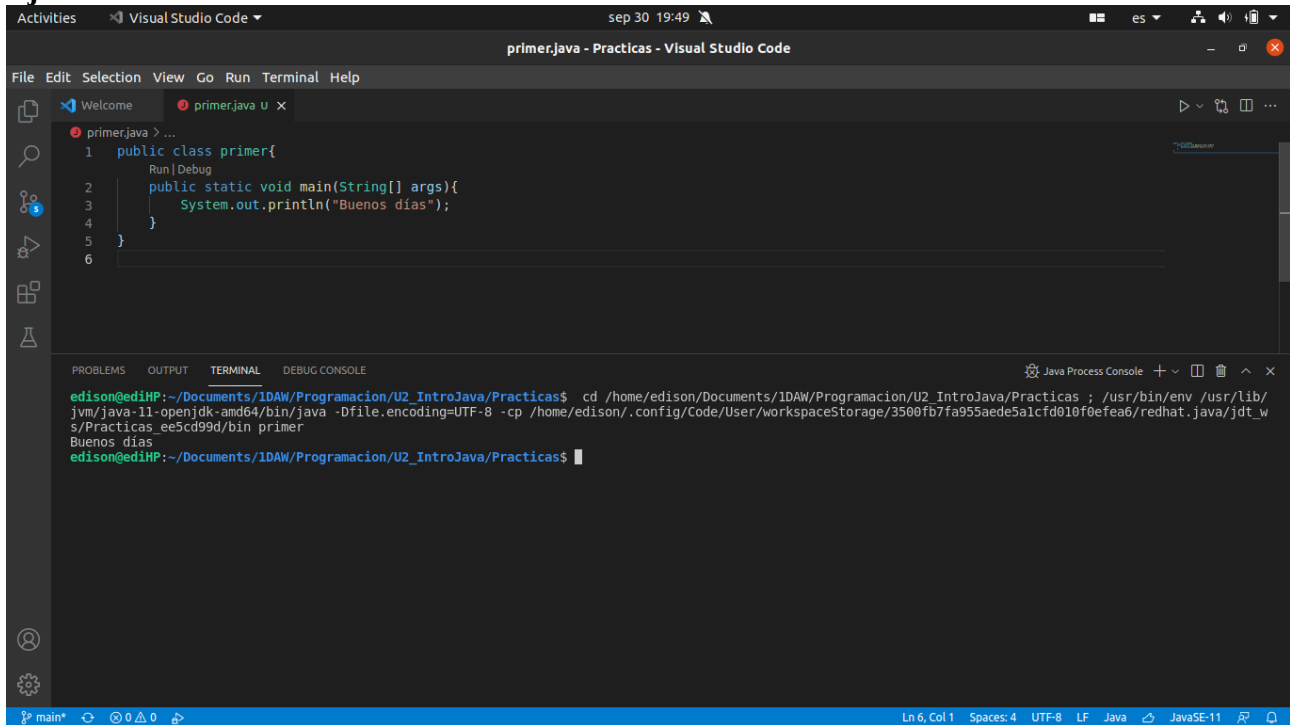


# INTRODUCCION A JAVA

## Ejercicio 1:

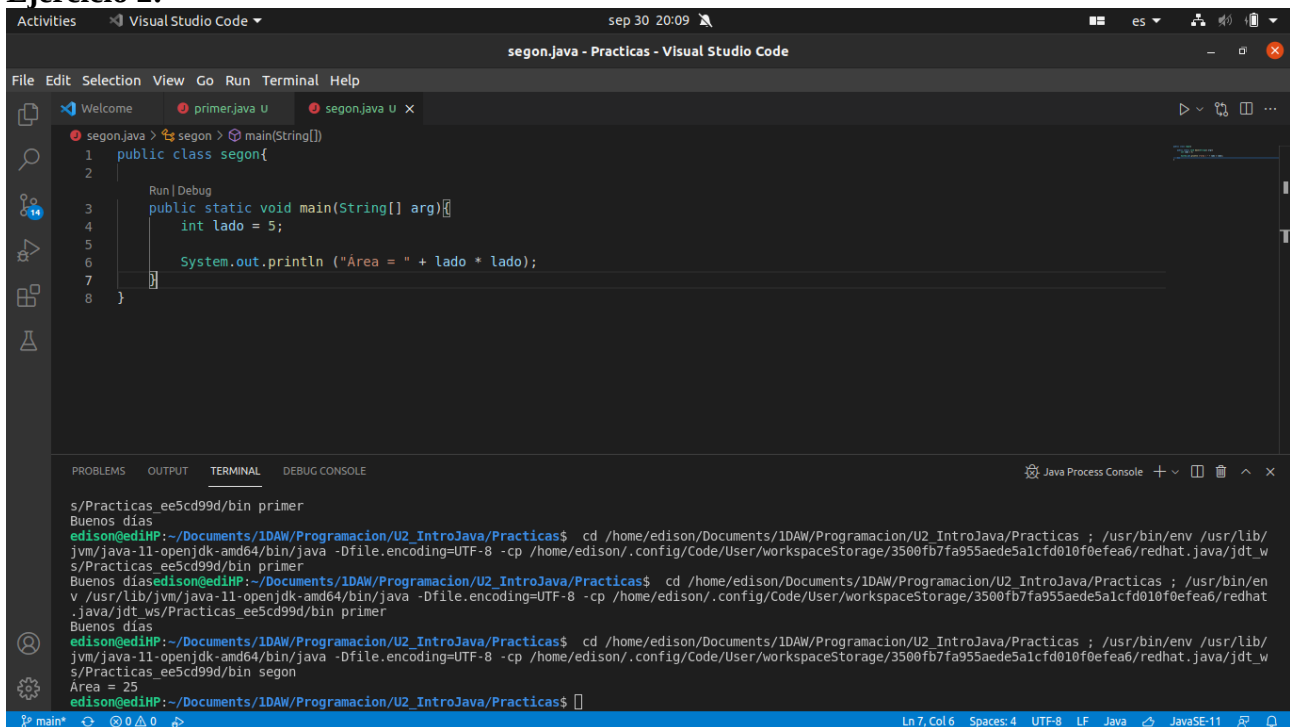


The screenshot shows the Visual Studio Code interface with a file named 'primer.java' open. The code defines a class 'primer' with a 'main' method that prints 'Buenos días'. The terminal at the bottom shows the command to compile and run the program, resulting in the output 'Buenos días'.

```
1 public class primer{
2     public static void main(String[] args){
3         System.out.println("Buenos días");
4     }
5 }
6
```

```
edison@ediHP:~/Documents/1DAW/Programacion/U2_IntroJava/Practicas$ cd /home/edison/Documents/1DAW/Programacion/U2_IntroJava/Practicas ; /usr/bin/env /usr/lib/
jvm/java-11-openjdk-amd64/bin/java -Dfile.encoding=UTF-8 -cp /home/edison/.config/Code/User/workspaceStorage/3500fb7fa955aede5a1cfd010f0efea6/redhat.java/jdt_w
s/Practicas_ee5cd99d/bin primer
Buenos días
edison@ediHP:~/Documents/1DAW/Programacion/U2_IntroJava/Practicas$
```

## Ejercicio 2:



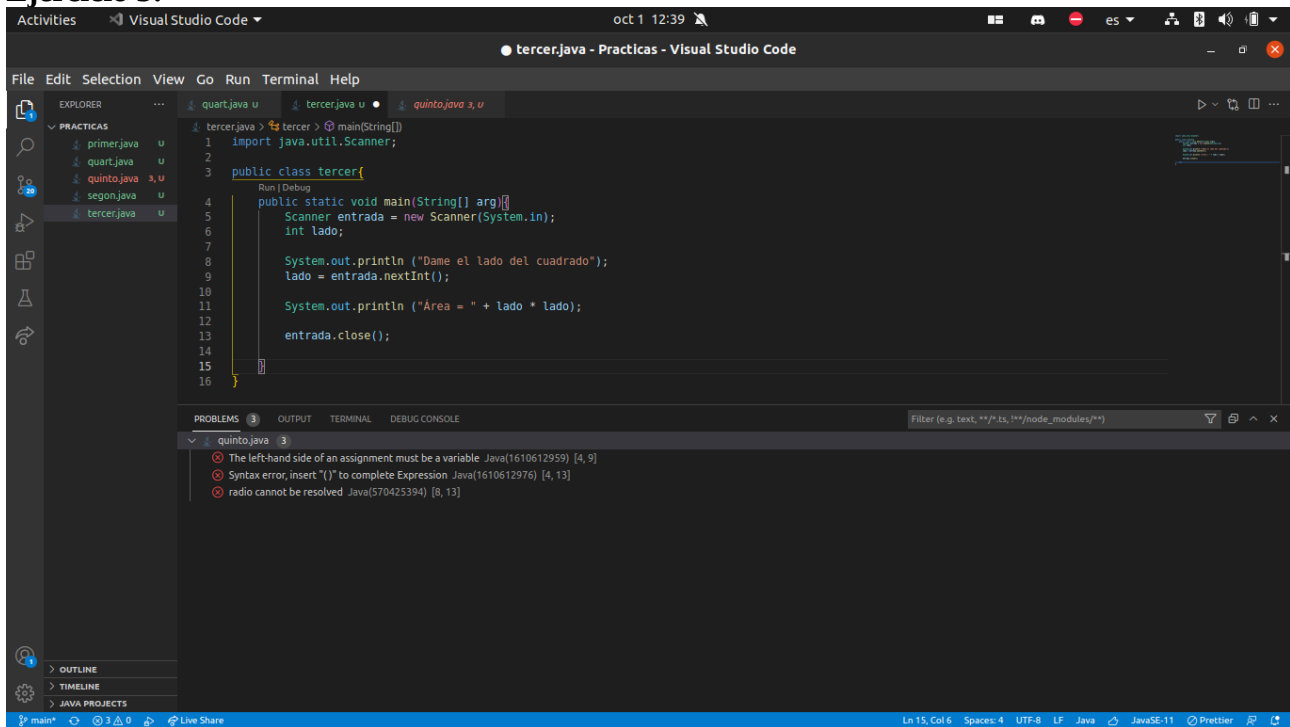
The screenshot shows the Visual Studio Code interface with a file named 'segon.java' open. The code defines a class 'segon' with a 'main' method that calculates the area of a square with side length 5 and prints 'Area = 25'. The terminal at the bottom shows the command to compile and run the program, resulting in the output 'Area = 25'.

```
1 public class segon{
2
3     public static void main(String[] arg){
4         int lado = 5;
5
6         System.out.println ("Area = " + lado * lado);
7     }
8 }
```

```
s/Practicas_ee5cd99d/bin primer
Buenos días
edison@ediHP:~/Documents/1DAW/Programacion/U2_IntroJava/Practicas$ cd /home/edison/Documents/1DAW/Programacion/U2_IntroJava/Practicas ; /usr/bin/env /usr/lib/
jvm/java-11-openjdk-amd64/bin/java -Dfile.encoding=UTF-8 -cp /home/edison/.config/Code/User/workspaceStorage/3500fb7fa955aede5a1cfd010f0efea6/redhat.java/jdt_w
s/Practicas_ee5cd99d/bin primer
Buenos díasedison@ediHP:~/Documents/1DAW/Programacion/U2_IntroJava/Practicas$ cd /home/edison/Documents/1DAW/Programacion/U2_IntroJava/Practicas ; /usr/bin/en
v /usr/lib/jvm/java-11-openjdk-amd64/bin/java -Dfile.encoding=UTF-8 -cp /home/edison/.config/Code/User/workspaceStorage/3500fb7fa955aede5a1cfd010f0efea6/redhat
.java/jdt_ws/Practicas_ee5cd99d/bin primer
Buenos días
edison@ediHP:~/Documents/1DAW/Programacion/U2_IntroJava/Practicas$ cd /home/edison/Documents/1DAW/Programacion/U2_IntroJava/Practicas ; /usr/bin/env /usr/lib/
jvm/java-11-openjdk-amd64/bin/java -Dfile.encoding=UTF-8 -cp /home/edison/.config/Code/User/workspaceStorage/3500fb7fa955aede5a1cfd010f0efea6/redhat.java/jdt_w
s/Practicas_ee5cd99d/bin segon
Area = 25
edison@ediHP:~/Documents/1DAW/Programacion/U2_IntroJava/Practicas$
```

# INTRODUCCION A JAVA

## Ejercicio 3:



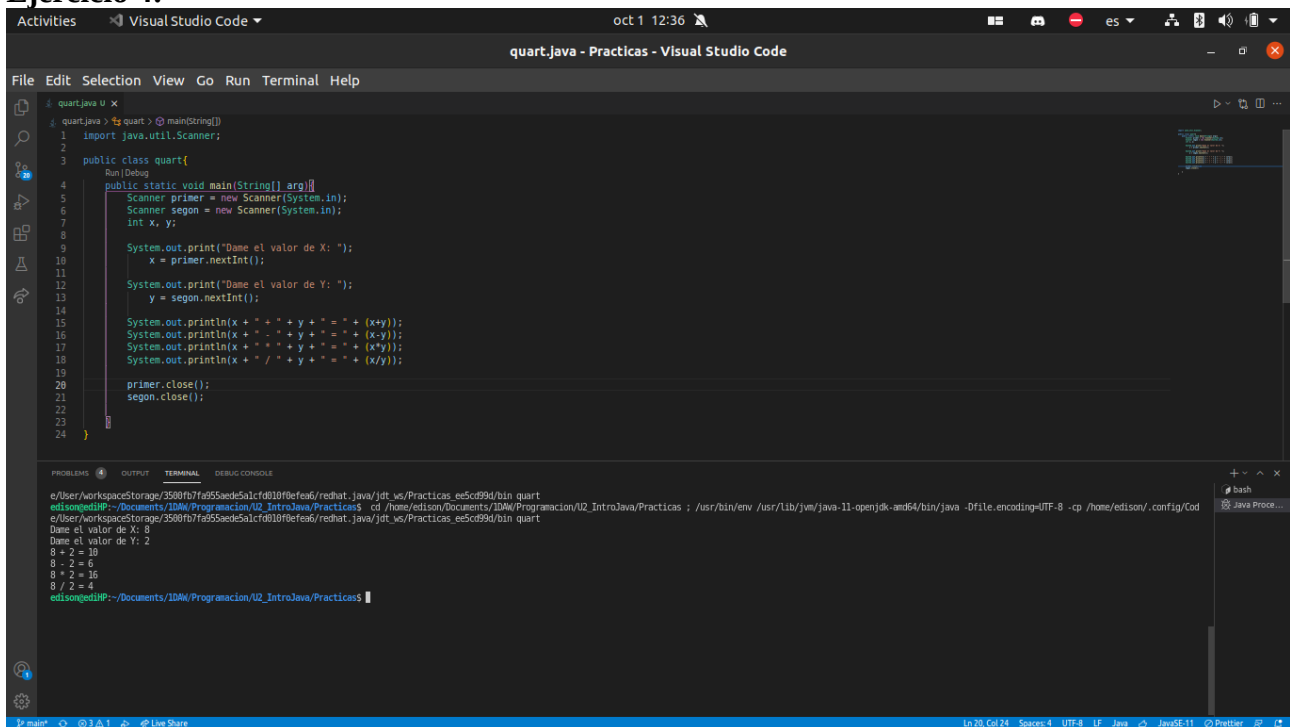
The screenshot shows the Visual Studio Code editor with the file 'tercer.java' open. The code is as follows:

```
1 import java.util.Scanner;
2
3 public class tercer{
4     public static void main(String[] arg){
5         Scanner entrada = new Scanner(System.in);
6         int lado;
7         System.out.println("Dame el lado del cuadrado");
8         lado = entrada.nextInt();
9
10        System.out.println("Área = " + lado * lado);
11
12        entrada.close();
13    }
14 }
15
16 }
```

The bottom panel shows the 'PROBLEMS' tab with the following error messages:

- ✖ The left-hand side of an assignment must be a variable. Java(1610612959) [4, 9]
- ✖ Syntax error, insert "(" to complete Expression. Java(1610612976) [4, 13]
- ✖ radio cannot be resolved. Java(570425394) [8, 13]

## Ejercicio 4:



The screenshot shows the Visual Studio Code editor with the file 'quart.java' open. The code is as follows:

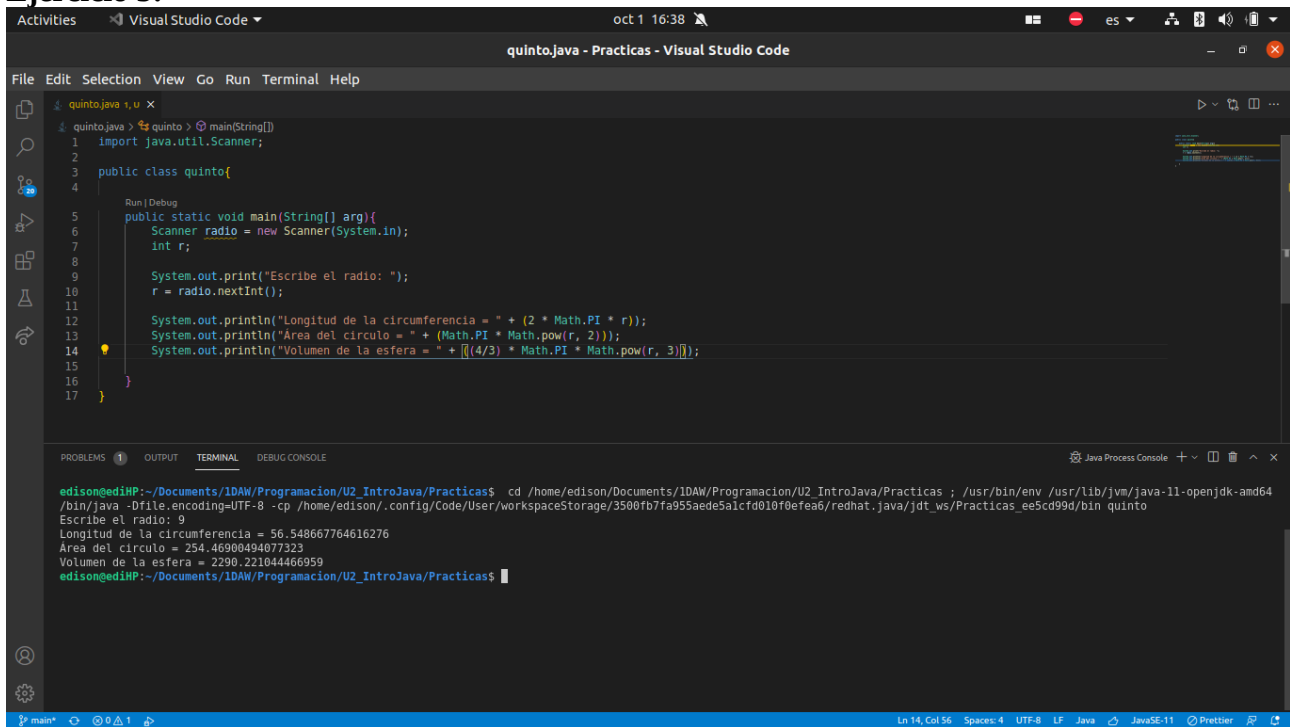
```
1 import java.util.Scanner;
2
3 public class quart{
4     public static void main(String[] arg){
5         Scanner primer = new Scanner(System.in);
6         Scanner segon = new Scanner(System.in);
7         int x, y;
8
9         System.out.print("Dame el valor de X: ");
10        x = primer.nextInt();
11
12        System.out.print("Dame el valor de Y: ");
13        y = segon.nextInt();
14
15        System.out.println(x + " + " + y + " = " + (x+y));
16        System.out.println(x + " - " + y + " = " + (x-y));
17        System.out.println(x + " * " + y + " = " + (x*y));
18        System.out.println(x + " / " + y + " = " + (x/y));
19
20        primer.close();
21        segon.close();
22    }
23 }
24 }
```

The bottom panel shows the 'TERMINAL' tab with the following output:

```
e:/User/workspaceStorage/3508f67f9555aede5a1cf00108fefa6/redhat.java/jdt_ws/Practicas_e5cf994/bin quart
edison@edisonHP:~/Documents/IDM/Programacion/U2_IntroJava/Practicas$ cd /home/edison/Documents/IDM/Programacion/U2_IntroJava/Practicas ; /usr/bin/env /usr/lib/jvm/java-11-openjdk-amd64/bin/java -Dfile.encoding=UTF-8 -cp /home/edison/.config/Cod
e
Dame el valor de X: 8
Dame el valor de Y: 2
8 + 2 = 10
8 - 2 = 6
8 * 2 = 16
8 / 2 = 4
edison@edisonHP:~/Documents/IDM/Programacion/U2_IntroJava/Practicas$
```

# INTRODUCCION A JAVA

## Ejercicio 5:



```
quinto.java - Practicas - Visual Studio Code

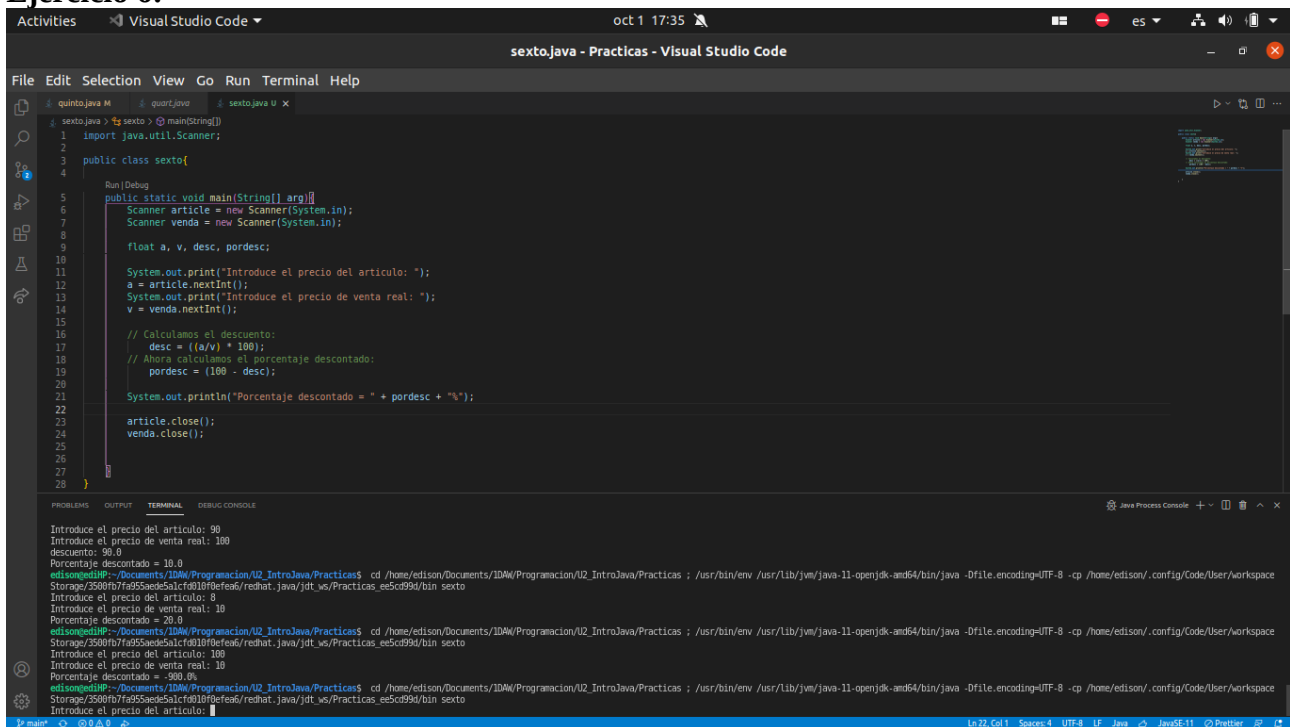
File Edit Selection View Go Run Terminal Help

quinto.java 1,0 X
1 import java.util.Scanner;
2
3 public class quinto{
4
5     public static void main(String[] arg){
6         Scanner radio = new Scanner(System.in);
7         int r;
8
9         System.out.print("Escribe el radio: ");
10        r = radio.nextInt();
11
12        System.out.println("Longitud de la circunferencia = " + (2 * Math.PI * r));
13        System.out.println("Área del círculo = " + (Math.PI * Math.pow(r, 2)));
14        System.out.println("Volumen de la esfera = " + ((4/3) * Math.PI * Math.pow(r, 3)));
15    }
16
17 }

PROBLEMS 1 OUTPUT TERMINAL DEBUG CONSOLE

edison@ediHP:~/Documents/IDAW/Programacion/U2_IntroJava/Practicas$ cd /home/edison/Documents/IDAW/Programacion/U2_IntroJava/Practicas ; /usr/bin/env /usr/lib/jvm/java-11-openjdk-amd64/bin/java -Dfile.encoding=UTF-8 -cp /home/edison/.config/Code/User/workspaceStorage/3500fb7fa955aede5alcfd010f0efeab/redhat.java/jdt_ws/Practicas_ee5cd99d/bin quinto
Escribe el radio: 9
Longitud de la circunferencia = 56.548667764616276
Área del círculo = 254.46900494077323
Volumen de la esfera = 2290.221044466959
edison@ediHP:~/Documents/IDAW/Programacion/U2_IntroJava/Practicas$
```

## Ejercicio 6:



```
sexto.java - Practicas - Visual Studio Code

File Edit Selection View Go Run Terminal Help

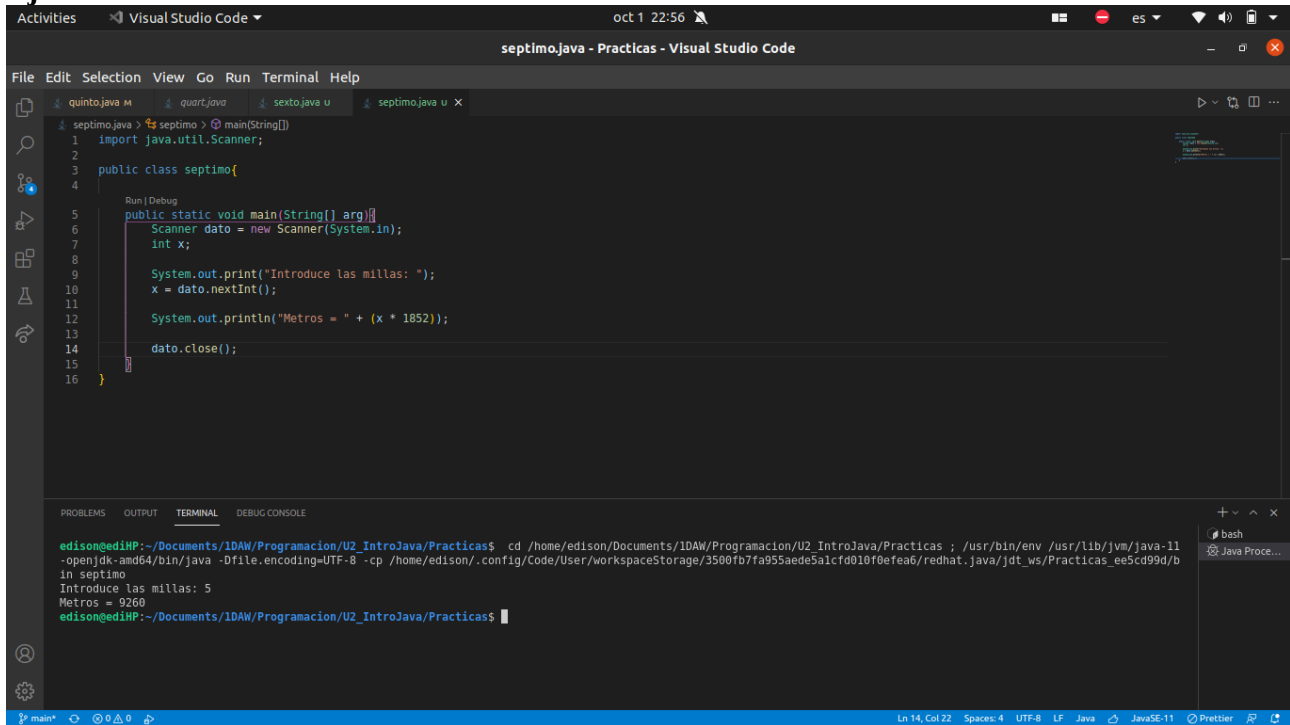
quinto.java M sexto.java X
1 import java.util.Scanner;
2
3 public class sexto{
4
5     public static void main(String[] arg){
6         Scanner article = new Scanner(System.in);
7         Scanner venda = new Scanner(System.in);
8
9         float a, v, desc, pordesc;
10
11        System.out.print("Introduce el precio del artículo: ");
12        a = article.nextInt();
13        System.out.print("Introduce el precio de venta real: ");
14        v = venda.nextInt();
15
16        // Calculamos el descuento:
17        desc = ((a/v) * 100);
18        // Ahora calculamos el porcentaje descontado:
19        pordesc = (100 - desc);
20
21        System.out.println("Porcentaje descontado = " + pordesc + "%");
22
23        article.close();
24        venda.close();
25
26    }
27
28 }

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

Introduce el precio del artículo: 90
Introduce el precio de venta real: 100
descuento: 90.0
Porcentaje descontado = 10.0
edison@ediHP:~/Documents/IDAW/Programacion/U2_IntroJava/Practicas$ cd /home/edison/Documents/IDAW/Programacion/U2_IntroJava/Practicas ; /usr/bin/env /usr/lib/jvm/java-11-openjdk-amd64/bin/java -Dfile.encoding=UTF-8 -cp /home/edison/.config/Code/User/workspaceStorage/3500fb7fa955aede5alcfd010f0efeab/redhat.java/jdt_ws/Practicas_ee5cd99d/bin sexto
Introduce el precio del artículo: 8
Introduce el precio de venta real: 10
Porcentaje descontado = 20.0
edison@ediHP:~/Documents/IDAW/Programacion/U2_IntroJava/Practicas$ cd /home/edison/Documents/IDAW/Programacion/U2_IntroJava/Practicas ; /usr/bin/env /usr/lib/jvm/java-11-openjdk-amd64/bin/java -Dfile.encoding=UTF-8 -cp /home/edison/.config/Code/User/workspaceStorage/3500fb7fa955aede5alcfd010f0efeab/redhat.java/jdt_ws/Practicas_ee5cd99d/bin sexto
Introduce el precio del artículo: 100
Introduce el precio de venta real: 10
Porcentaje descontado = -900.0%
edison@ediHP:~/Documents/IDAW/Programacion/U2_IntroJava/Practicas$ cd /home/edison/Documents/IDAW/Programacion/U2_IntroJava/Practicas ; /usr/bin/env /usr/lib/jvm/java-11-openjdk-amd64/bin/java -Dfile.encoding=UTF-8 -cp /home/edison/.config/Code/User/workspaceStorage/3500fb7fa955aede5alcfd010f0efeab/redhat.java/jdt_ws/Practicas_ee5cd99d/bin sexto
Introduce el precio del artículo:
edison@ediHP:~/Documents/IDAW/Programacion/U2_IntroJava/Practicas$
```

# INTRODUCCION A JAVA

## Ejercicio 7:

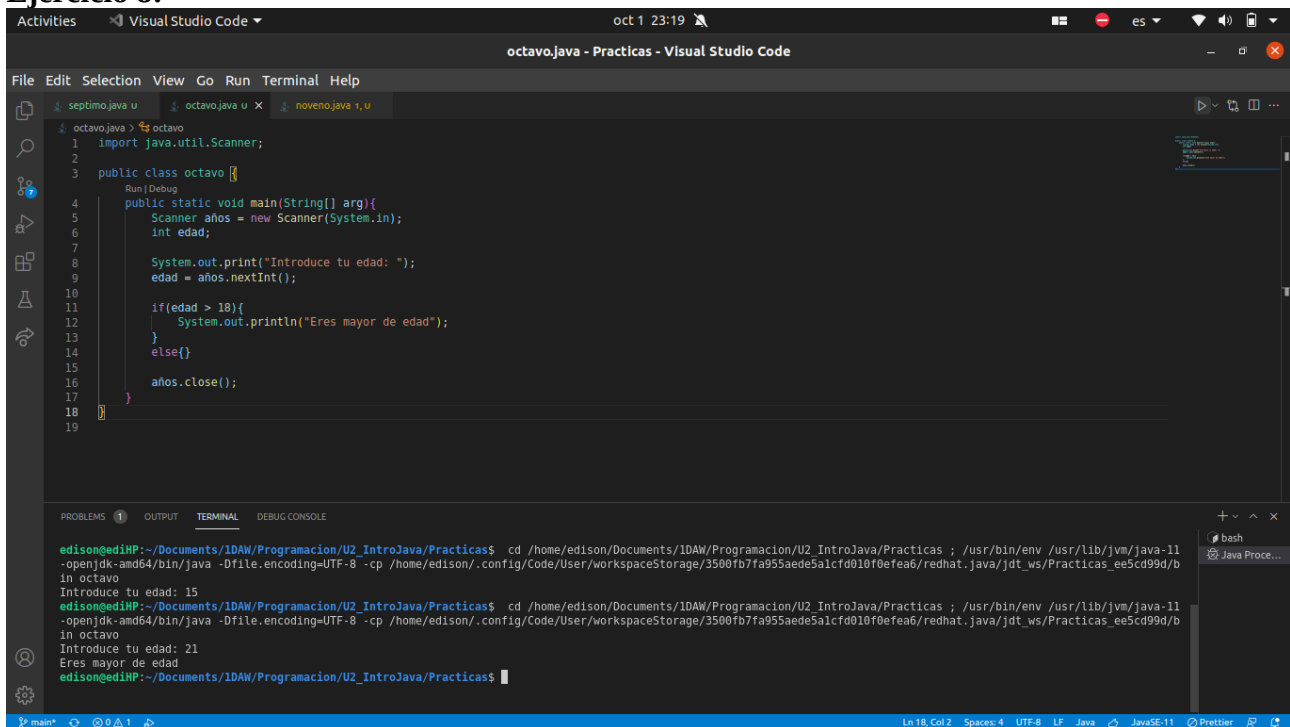


The screenshot shows the Visual Studio Code interface with the file 'septimo.java' open. The code defines a class 'septimo' with a 'main' method that uses a 'Scanner' to read an integer from the user and calculates the equivalent distance in meters (miles \* 1609.34). The terminal shows the command to compile and run the program, followed by the user input '5' and the output 'Metros = 8046.7'.

```
1 import java.util.Scanner;
2
3 public class septimo{
4
5     public static void main(String[] arg){
6         Scanner dato = new Scanner(System.in);
7         int x;
8
9         System.out.print("Introduce las millas: ");
10        x = dato.nextInt();
11
12        System.out.println("Metros = " + (x * 1609.34));
13
14        dato.close();
15    }
16 }
```

```
edison@edlHP:~/Documents/1DAW/Programacion/U2_IntroJava/Practicas$ cd /home/edison/Documents/1DAW/Programacion/U2_IntroJava/Practicas ; /usr/bin/env /usr/lib/jvm/java-11-openjdk-amd64/bin/java -Dfile.encoding=UTF-8 -cp /home/edison/.config/Code/User/workspaceStorage/3500fb7fa955aede5a1cfd010f0efea6/redhat.java/jdt_ws/Practicas_ee5cd99d/bin septimo
Introduce las millas: 5
Metros = 8046.7
edison@edlHP:~/Documents/1DAW/Programacion/U2_IntroJava/Practicas$
```

## Ejercicio 8:



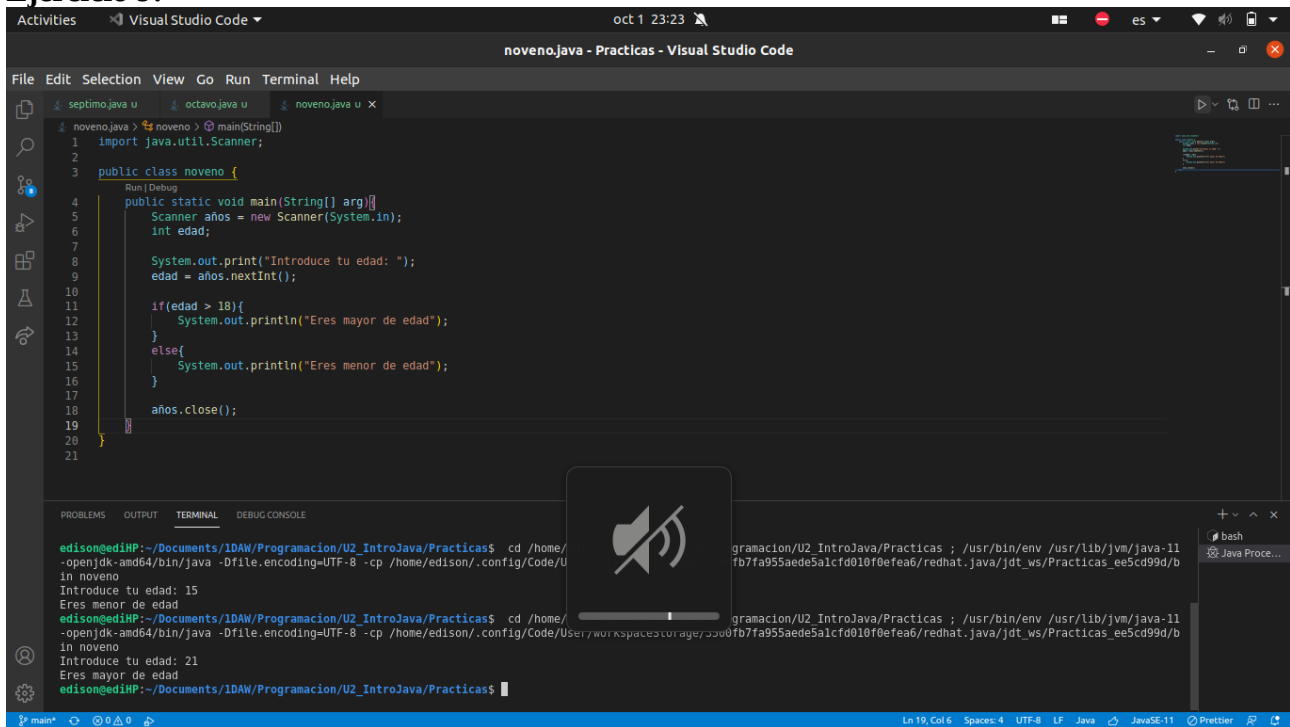
The screenshot shows the Visual Studio Code interface with the file 'octavo.java' open. The code defines a class 'octavo' with a 'main' method that uses a 'Scanner' to read an integer from the user and checks if it is greater than 18. The terminal shows the command to compile and run the program, followed by the user input '15' and the output 'Eres mayor de edad'.

```
1 import java.util.Scanner;
2
3 public class octavo {
4
5     public static void main(String[] arg){
6         Scanner años = new Scanner(System.in);
7         int edad;
8
9         System.out.print("Introduce tu edad: ");
10        edad = años.nextInt();
11
12        if(edad > 18){
13            System.out.println("Eres mayor de edad");
14        }
15        else{}
16
17        años.close();
18    }
19 }
```

```
edison@edlHP:~/Documents/1DAW/Programacion/U2_IntroJava/Practicas$ cd /home/edison/Documents/1DAW/Programacion/U2_IntroJava/Practicas ; /usr/bin/env /usr/lib/jvm/java-11-openjdk-amd64/bin/java -Dfile.encoding=UTF-8 -cp /home/edison/.config/Code/User/workspaceStorage/3500fb7fa955aede5a1cfd010f0efea6/redhat.java/jdt_ws/Practicas_ee5cd99d/bin octavo
Introduce tu edad: 15
edison@edlHP:~/Documents/1DAW/Programacion/U2_IntroJava/Practicas$ cd /home/edison/Documents/1DAW/Programacion/U2_IntroJava/Practicas ; /usr/bin/env /usr/lib/jvm/java-11-openjdk-amd64/bin/java -Dfile.encoding=UTF-8 -cp /home/edison/.config/Code/User/workspaceStorage/3500fb7fa955aede5a1cfd010f0efea6/redhat.java/jdt_ws/Practicas_ee5cd99d/bin octavo
Introduce tu edad: 21
Eres mayor de edad
edison@edlHP:~/Documents/1DAW/Programacion/U2_IntroJava/Practicas$
```

# INTRODUCCION A JAVA

## Ejercicio 9:

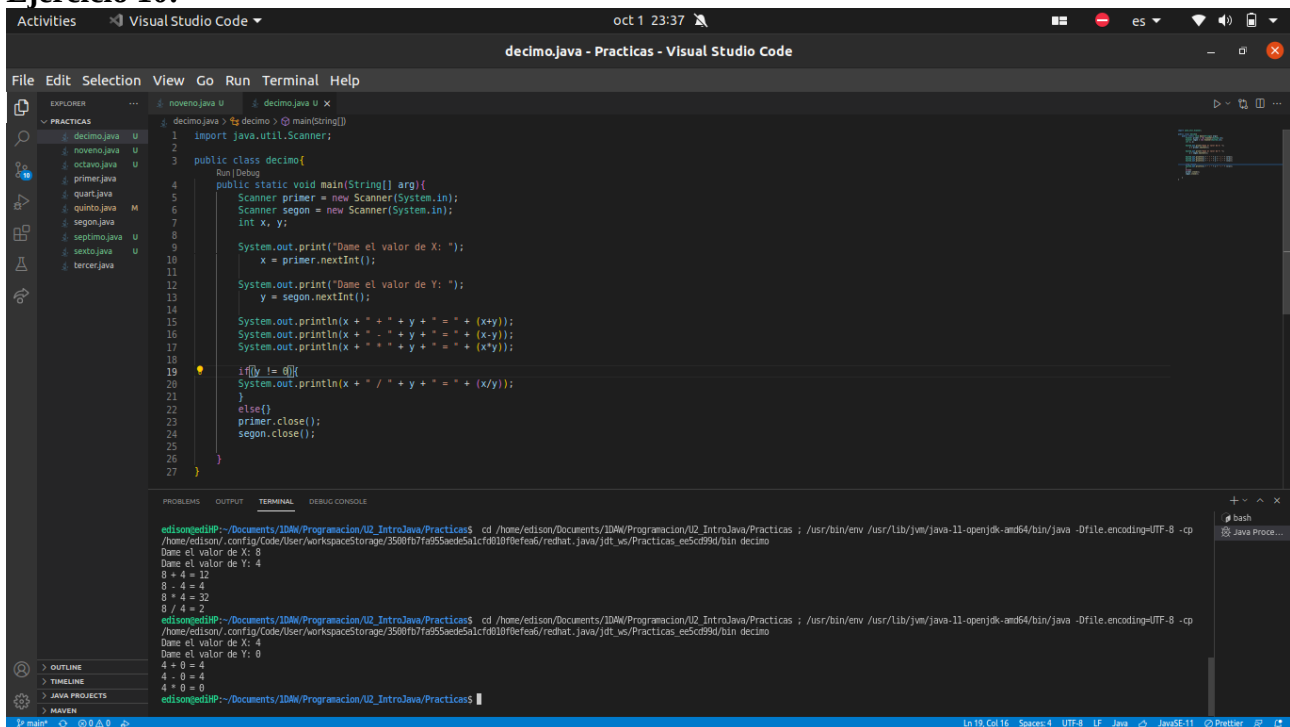


```
File Edit Selection View Go Run Terminal Help
noveno.java - Practicas - Visual Studio Code
1 import java.util.Scanner;
2
3 public class noveno {
4     public static void main(String[] arg){
5         Scanner años = new Scanner(System.in);
6         int edad;
7
8         System.out.print("Introduce tu edad: ");
9         edad = años.nextInt();
10
11         if(edad > 18){
12             System.out.println("Eres mayor de edad");
13         }
14         else{
15             System.out.println("Eres menor de edad");
16         }
17
18         años.close();
19     }
20 }
21
```

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

```
edison@edihp:~/Documents/IDAW/Programacion/U2_IntroJava/Practicas$ cd /home/
-openjdk-amd64/bin/java -Dfile.encoding=UTF-8 -cp /home/edison/.config/Code/User
in noveno
Introduce tu edad: 15
Eres menor de edad
edison@edihp:~/Documents/IDAW/Programacion/U2_IntroJava/Practicas$ cd /home/
-openjdk-amd64/bin/java -Dfile.encoding=UTF-8 -cp /home/edison/.config/Code/User
in noveno
Introduce tu edad: 21
Eres mayor de edad
edison@edihp:~/Documents/IDAW/Programacion/U2_IntroJava/Practicas$
```

## Ejercicio 10:



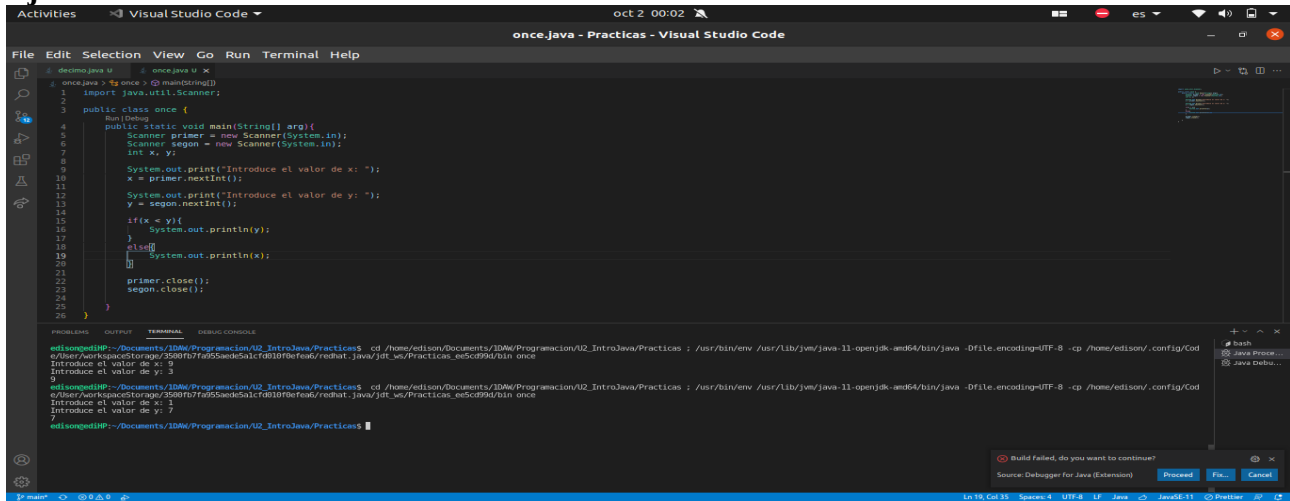
```
File Edit Selection View Go Run Terminal Help
decimo.java - Practicas - Visual Studio Code
1 import java.util.Scanner;
2
3 public class decimo {
4     public static void main(String[] arg){
5         Scanner primer = new Scanner(System.in);
6         Scanner segon = new Scanner(System.in);
7         int x, y;
8
9         System.out.print("Dame el valor de X: ");
10        x = primer.nextInt();
11
12        System.out.print("Dame el valor de Y: ");
13        y = segon.nextInt();
14
15        System.out.println(x + " + " + y + " = " + (x+y));
16        System.out.println(x + " - " + y + " = " + (x-y));
17        System.out.println(x + " * " + y + " = " + (x*y));
18
19        if(y != 0){
20            System.out.println(x + " / " + y + " = " + (x/y));
21        }
22        else{
23            primer.close();
24            segon.close();
25        }
26    }
27 }
```

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

```
edison@edihp:~/Documents/IDAW/Programacion/U2_IntroJava/Practicas$ cd /home/edison/Documents/IDAW/Programacion/U2_IntroJava/Practicas ; /usr/bin/env /usr/lib/jvm/java-11-openjdk-amd64/bin/java -Dfile.encoding=UTF-8 -cp
/home/edison/.config/Code/User/workspaceStorage/3508fb7fa955aede5a1cf0d010f0feab/redhat.java/jdt_ws/Practicas_ee5cd99d/bin decimo
Dame el valor de X: 4
Dame el valor de Y: 12
8 + 4 = 12
8 - 4 = 4
8 * 4 = 32
8 / 4 = 2
edison@edihp:~/Documents/IDAW/Programacion/U2_IntroJava/Practicas$ cd /home/edison/Documents/IDAW/Programacion/U2_IntroJava/Practicas ; /usr/bin/env /usr/lib/jvm/java-11-openjdk-amd64/bin/java -Dfile.encoding=UTF-8 -cp
/home/edison/.config/Code/User/workspaceStorage/3508fb7fa955aede5a1cf0d010f0feab/redhat.java/jdt_ws/Practicas_ee5cd99d/bin decimo
Dame el valor de X: 4
4 + 0 = 4
4 - 0 = 4
4 * 0 = 0
edison@edihp:~/Documents/IDAW/Programacion/U2_IntroJava/Practicas$
```

# INTRODUCCION A JAVA

## Ejercicio 11:



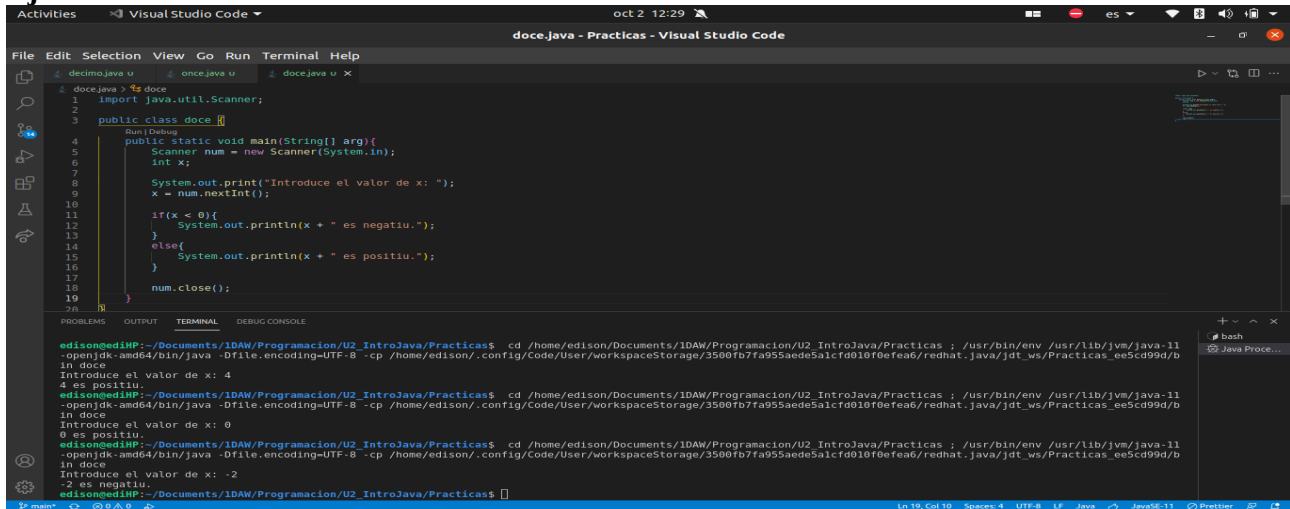
The screenshot shows the Visual Studio Code interface with a file named 'once.java' open. The code is a Java program that prompts the user to enter two integers, x and y, and then prints the value of x. The terminal output shows the program running successfully, with the user entering '1' for x and '2' for y, and the program outputting '1'.

```
1 import java.util.Scanner;
2
3 public class once {
4     public static void main(String[] args) {
5         Scanner primer = new Scanner(System.in);
6         Scanner segon = new Scanner(System.in);
7         int x, y;
8
9         System.out.print("Introduce el valor de x: ");
10        x = primer.nextInt();
11
12        System.out.print("Introduce el valor de y: ");
13        y = segon.nextInt();
14
15        if (x < y) {
16            System.out.println(y);
17        } else {
18            System.out.println(x);
19        }
20
21        primer.close();
22        segon.close();
23    }
24 }
25
26
```

Terminal Output:

```
edison@ed1HP:~/Documents/IDAW/Programacion/U2_IntroJava/Practicas$ cd /home/edison/Documents/IDAW/Programacion/U2_IntroJava/Practicas ; /usr/bin/env /usr/lib/jvm/java-11-openjdk-amd64/bin/java -Dfile.encoding=UTF-8 -cp /home/edison/.config/Cod
Introduce el valor de x: 1
Introduce el valor de y: 2
1
edison@ed1HP:~/Documents/IDAW/Programacion/U2_IntroJava/Practicas$ cd /home/edison/Documents/IDAW/Programacion/U2_IntroJava/Practicas ; /usr/bin/env /usr/lib/jvm/java-11-openjdk-amd64/bin/java -Dfile.encoding=UTF-8 -cp /home/edison/.config/Cod
Introduce el valor de x: 1
Introduce el valor de y: 2
1
edison@ed1HP:~/Documents/IDAW/Programacion/U2_IntroJava/Practicas$
```

## Ejercicio 12:



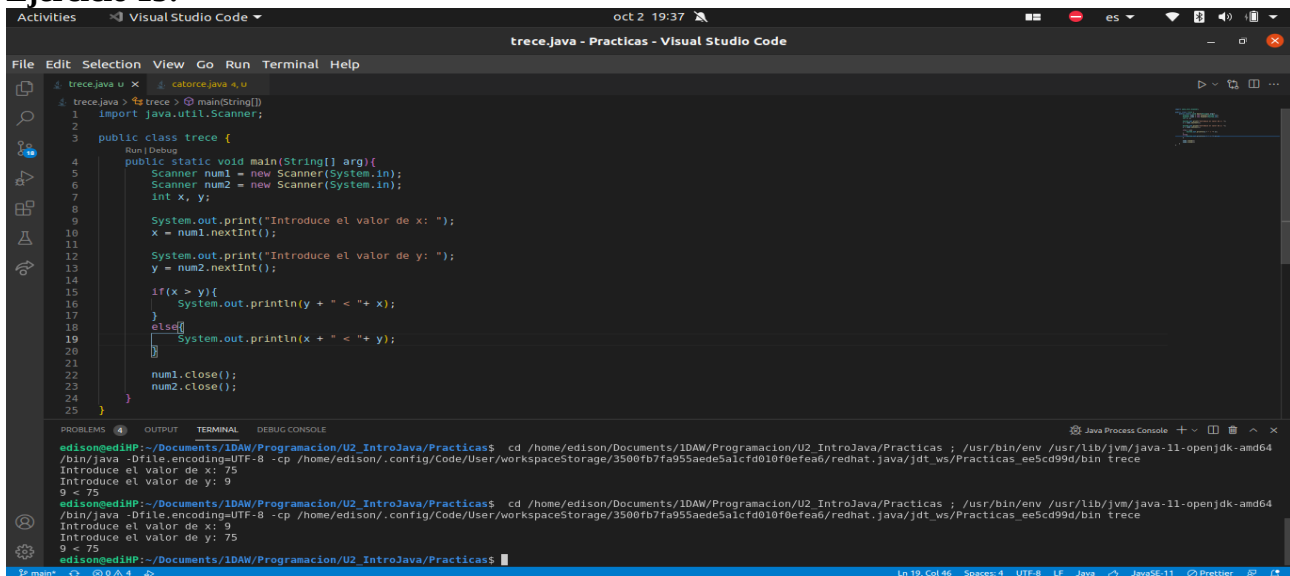
The screenshot shows the Visual Studio Code interface with a file named 'doce.java' open. The code is a Java program that prompts the user to enter an integer x and then prints whether x is negative or positive. The terminal output shows the program running successfully, with the user entering '4' for x, and the program outputting '4 es positiu'.

```
1 import java.util.Scanner;
2
3 public class doce {
4     public static void main(String[] args) {
5         Scanner num = new Scanner(System.in);
6         int x;
7
8         System.out.print("Introduce el valor de x: ");
9         x = num.nextInt();
10
11        if (x < 0) {
12            System.out.println(x + " es negatiu.");
13        } else {
14            System.out.println(x + " es positiu.");
15        }
16
17        num.close();
18    }
19 }
20
```

Terminal Output:

```
edison@ed1HP:~/Documents/IDAW/Programacion/U2_IntroJava/Practicas$ cd /home/edison/Documents/IDAW/Programacion/U2_IntroJava/Practicas ; /usr/bin/env /usr/lib/jvm/java-11-openjdk-amd64/bin/java -Dfile.encoding=UTF-8 -cp /home/edison/.config/Cod/User/workspaceStorage/3500fb7fa955aede5a1cf0d0f0fe6a6/redhat.java/jdt_ws/Practicas_e5cd99d/b
Introduce el valor de x: 4
4 es positiu
edison@ed1HP:~/Documents/IDAW/Programacion/U2_IntroJava/Practicas$ cd /home/edison/Documents/IDAW/Programacion/U2_IntroJava/Practicas ; /usr/bin/env /usr/lib/jvm/java-11-openjdk-amd64/bin/java -Dfile.encoding=UTF-8 -cp /home/edison/.config/Cod/User/workspaceStorage/3500fb7fa955aede5a1cf0d0f0fe6a6/redhat.java/jdt_ws/Practicas_e5cd99d/b
Introduce el valor de x: 0
0 es positiu
edison@ed1HP:~/Documents/IDAW/Programacion/U2_IntroJava/Practicas$ cd /home/edison/Documents/IDAW/Programacion/U2_IntroJava/Practicas ; /usr/bin/env /usr/lib/jvm/java-11-openjdk-amd64/bin/java -Dfile.encoding=UTF-8 -cp /home/edison/.config/Cod/User/workspaceStorage/3500fb7fa955aede5a1cf0d0f0fe6a6/redhat.java/jdt_ws/Practicas_e5cd99d/b
Introduce el valor de x: -2
-2 es negatiu
edison@ed1HP:~/Documents/IDAW/Programacion/U2_IntroJava/Practicas$
```

## Ejercicio 13:



The screenshot shows the Visual Studio Code interface with a file named 'trece.java' open. The code is a Java program that prompts the user to enter two integers, x and y, and then prints the sum of x and y. The terminal output shows the program running successfully, with the user entering '75' for x and '9' for y, and the program outputting '84'.

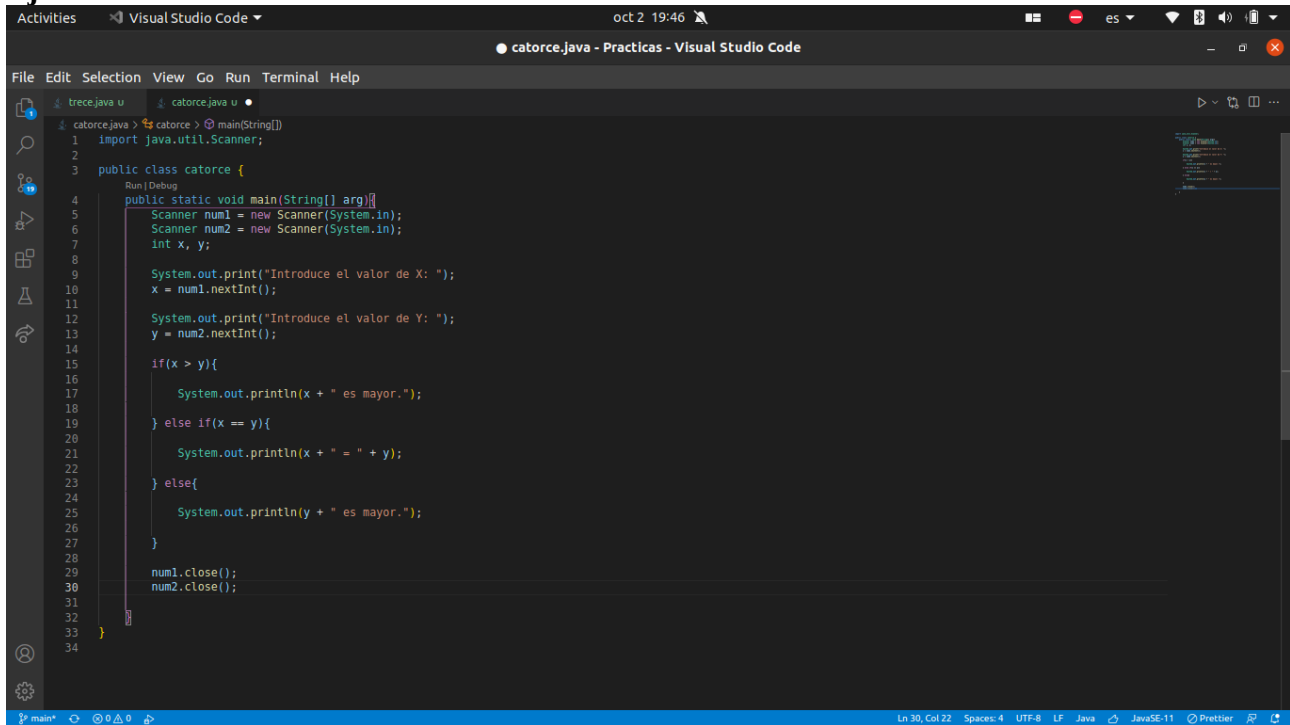
```
1 import java.util.Scanner;
2
3 public class trece {
4     public static void main(String[] args) {
5         Scanner num1 = new Scanner(System.in);
6         Scanner num2 = new Scanner(System.in);
7         int x, y;
8
9         System.out.print("Introduce el valor de x: ");
10        x = num1.nextInt();
11
12        System.out.print("Introduce el valor de y: ");
13        y = num2.nextInt();
14
15        if (x > y) {
16            System.out.println(y + " < " + x);
17        } else {
18            System.out.println(x + " < " + y);
19        }
20
21        num1.close();
22        num2.close();
23    }
24 }
25
```

Terminal Output:

```
edison@ed1HP:~/Documents/IDAW/Programacion/U2_IntroJava/Practicas$ cd /home/edison/Documents/IDAW/Programacion/U2_IntroJava/Practicas ; /usr/bin/env /usr/lib/jvm/java-11-openjdk-amd64/bin/java -Dfile.encoding=UTF-8 -cp /home/edison/.config/Cod/User/workspaceStorage/3500fb7fa955aede5a1cf0d0f0fe6a6/redhat.java/jdt_ws/Practicas_e5cd99d/bin trece
Introduce el valor de x: 75
Introduce el valor de y: 9
84
edison@ed1HP:~/Documents/IDAW/Programacion/U2_IntroJava/Practicas$ cd /home/edison/Documents/IDAW/Programacion/U2_IntroJava/Practicas ; /usr/bin/env /usr/lib/jvm/java-11-openjdk-amd64/bin/java -Dfile.encoding=UTF-8 -cp /home/edison/.config/Cod/User/workspaceStorage/3500fb7fa955aede5a1cf0d0f0fe6a6/redhat.java/jdt_ws/Practicas_e5cd99d/bin trece
Introduce el valor de x: 9
Introduce el valor de y: 75
9 < 75
edison@ed1HP:~/Documents/IDAW/Programacion/U2_IntroJava/Practicas$
```

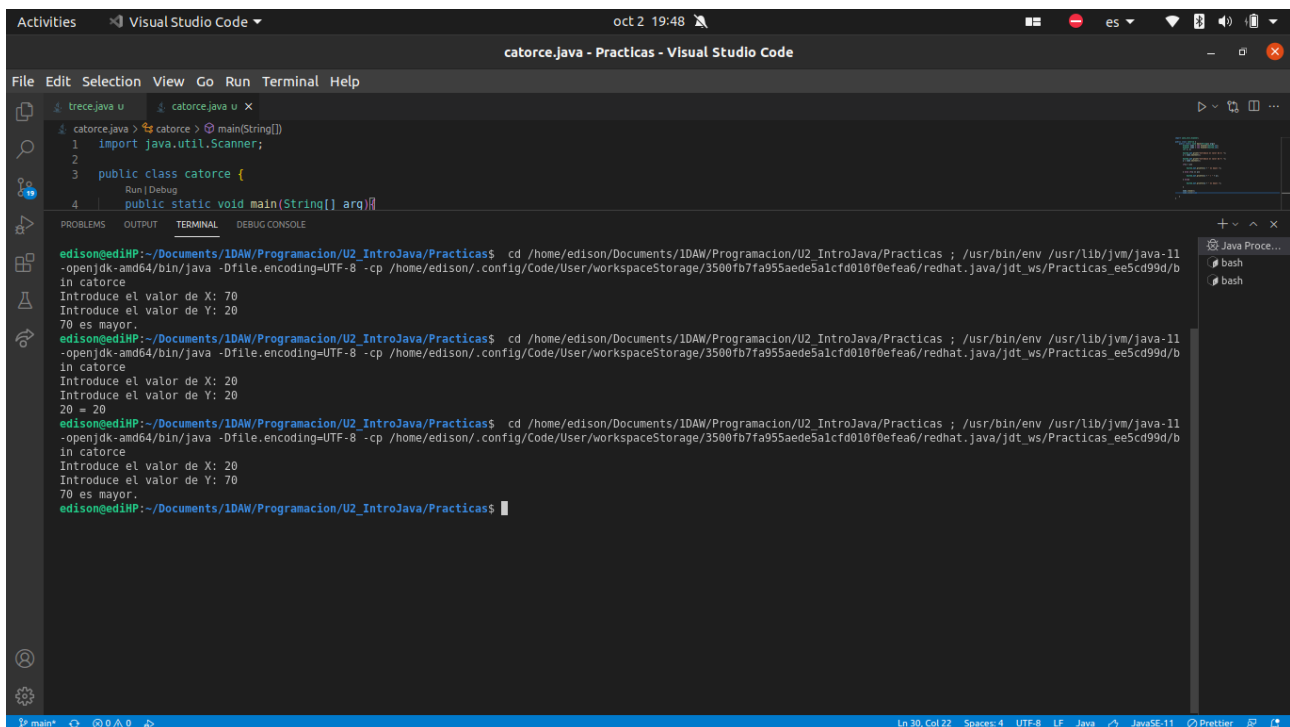
# INTRODUCCION A JAVA

## Ejercicio 14:



The screenshot shows the Visual Studio Code editor with the file 'catorce.java' open. The code is as follows:

```
1 import java.util.Scanner;
2
3 public class catorce {
4     public static void main(String[] arg) {
5         Scanner num1 = new Scanner(System.in);
6         Scanner num2 = new Scanner(System.in);
7         int x, y;
8
9         System.out.print("Introduce el valor de X: ");
10        x = num1.nextInt();
11
12        System.out.print("Introduce el valor de Y: ");
13        y = num2.nextInt();
14
15        if(x > y){
16            System.out.println(x + " es mayor.");
17        } else if(x == y){
18            System.out.println(x + " = " + y);
19        } else{
20            System.out.println(y + " es mayor.");
21        }
22
23        num1.close();
24        num2.close();
25    }
26 }
```

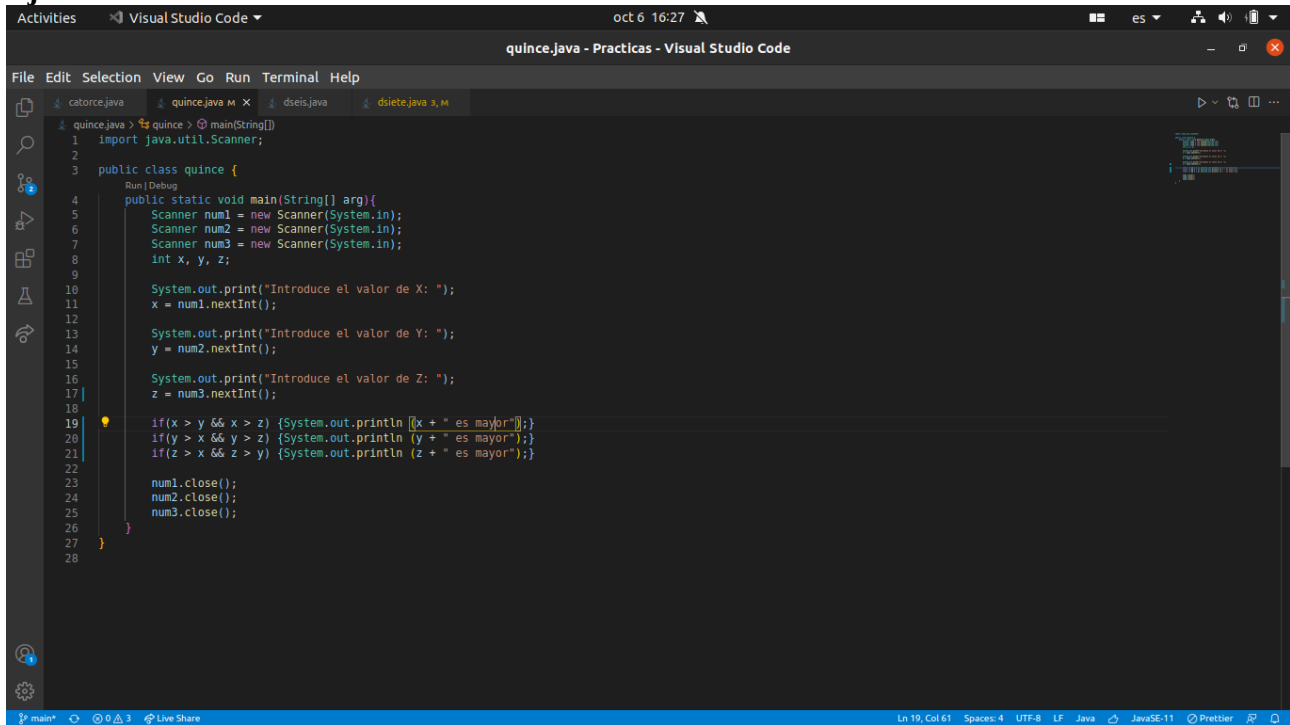


The screenshot shows the Visual Studio Code editor with the 'TERMINAL' tab active. The terminal output is as follows:

```
edison@edihp:~/Documents/IDAW/Programacion/U2_IntroJava/Practicas$ cd /home/edison/Documents/IDAW/Programacion/U2_IntroJava/Practicas ; /usr/bin/env /usr/lib/jvm/java-11-openjdk-amd64/bin/java -Dfile.encoding=UTF-8 -cp /home/edison/.config/Code/User/workspaceStorage/3500fb7fa955aede5a1cf010f0feab6/redhat.java/jdt_ws/Practicas_ee5cd99d/b in catorce
Introduce el valor de X: 70
Introduce el valor de Y: 20
70 es mayor.
edison@edihp:~/Documents/IDAW/Programacion/U2_IntroJava/Practicas$ cd /home/edison/Documents/IDAW/Programacion/U2_IntroJava/Practicas ; /usr/bin/env /usr/lib/jvm/java-11-openjdk-amd64/bin/java -Dfile.encoding=UTF-8 -cp /home/edison/.config/Code/User/workspaceStorage/3500fb7fa955aede5a1cf010f0feab6/redhat.java/jdt_ws/Practicas_ee5cd99d/b in catorce
Introduce el valor de X: 20
Introduce el valor de Y: 20
20 = 20
edison@edihp:~/Documents/IDAW/Programacion/U2_IntroJava/Practicas$ cd /home/edison/Documents/IDAW/Programacion/U2_IntroJava/Practicas ; /usr/bin/env /usr/lib/jvm/java-11-openjdk-amd64/bin/java -Dfile.encoding=UTF-8 -cp /home/edison/.config/Code/User/workspaceStorage/3500fb7fa955aede5a1cf010f0feab6/redhat.java/jdt_ws/Practicas_ee5cd99d/b in catorce
Introduce el valor de X: 20
Introduce el valor de Y: 70
70 es mayor.
edison@edihp:~/Documents/IDAW/Programacion/U2_IntroJava/Practicas$
```

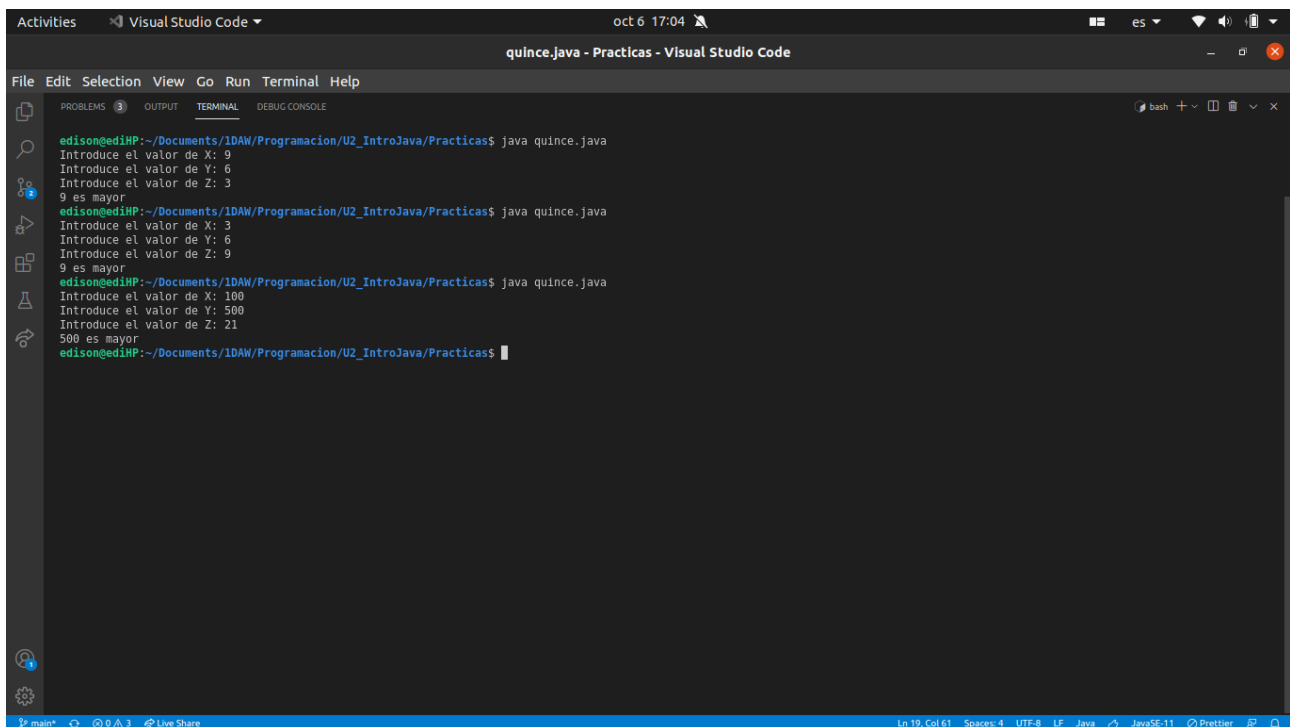
# INTRODUCCION A JAVA

## Ejercicio 15:



The screenshot shows the Visual Studio Code editor with the file 'quince.java' open. The code is a Java program that takes three integers as input and prints the largest one. The code is as follows:

```
1 import java.util.Scanner;
2
3 public class quince {
4     public static void main(String[] arg){
5         Scanner num1 = new Scanner(System.in);
6         Scanner num2 = new Scanner(System.in);
7         Scanner num3 = new Scanner(System.in);
8         int x, y, z;
9
10        System.out.print("Introduce el valor de X: ");
11        x = num1.nextInt();
12
13        System.out.print("Introduce el valor de Y: ");
14        y = num2.nextInt();
15
16        System.out.print("Introduce el valor de Z: ");
17        z = num3.nextInt();
18
19        if(x > y && x > z) {System.out.println(x + " es mayor");}
20        if(y > x && y > z) {System.out.println(y + " es mayor");}
21        if(z > x && z > y) {System.out.println(z + " es mayor");}
22
23        num1.close();
24        num2.close();
25        num3.close();
26    }
27 }
28
```



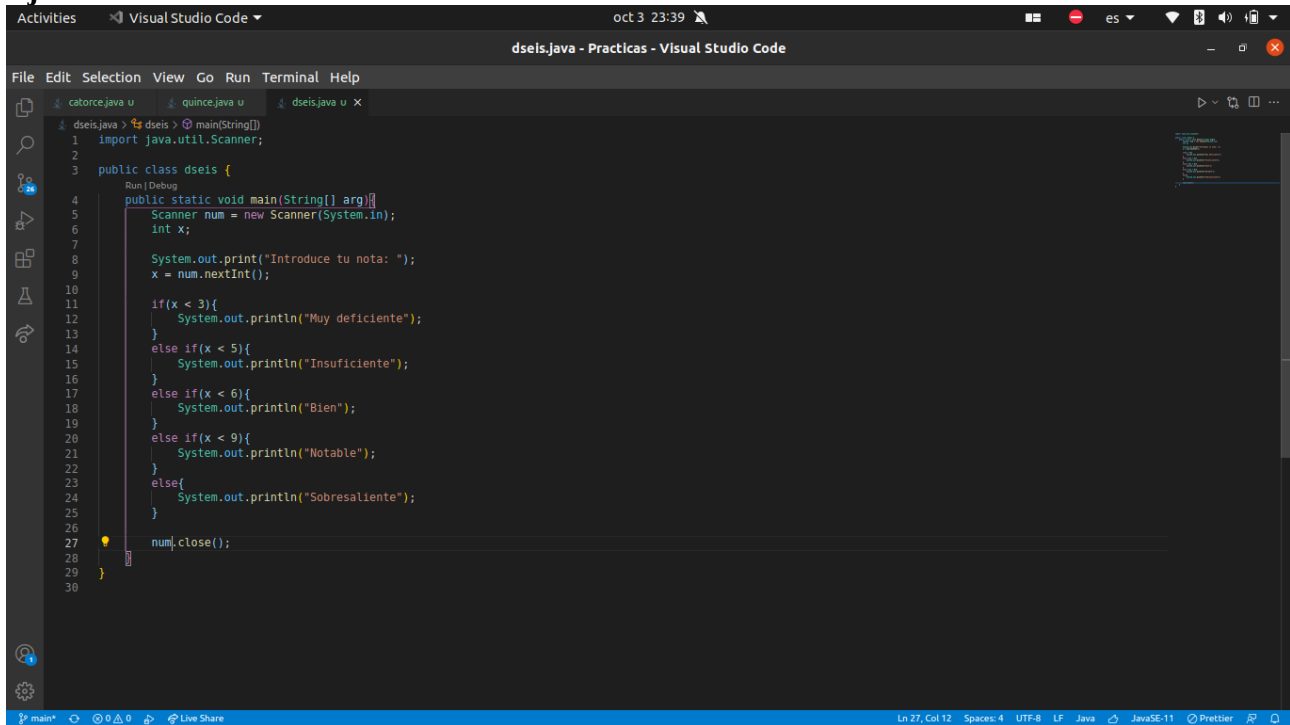
The screenshot shows the terminal window in Visual Studio Code. The terminal displays the output of the Java program 'quince.java' being executed. The output shows three test cases where the program correctly identifies the largest number among three inputs.

```
edison@ed1HP:~/Documents/IDAW/Programacion/U2_IntroJava/Practicas$ java quince.java
Introduce el valor de X: 9
Introduce el valor de Y: 6
Introduce el valor de Z: 3
9 es mayor
edison@ed1HP:~/Documents/IDAW/Programacion/U2_IntroJava/Practicas$ java quince.java
Introduce el valor de X: 3
Introduce el valor de Y: 6
Introduce el valor de Z: 9
9 es mayor
edison@ed1HP:~/Documents/IDAW/Programacion/U2_IntroJava/Practicas$ java quince.java
Introduce el valor de X: 100
Introduce el valor de Y: 500
Introduce el valor de Z: 21
500 es mayor
edison@ed1HP:~/Documents/IDAW/Programacion/U2_IntroJava/Practicas$
```



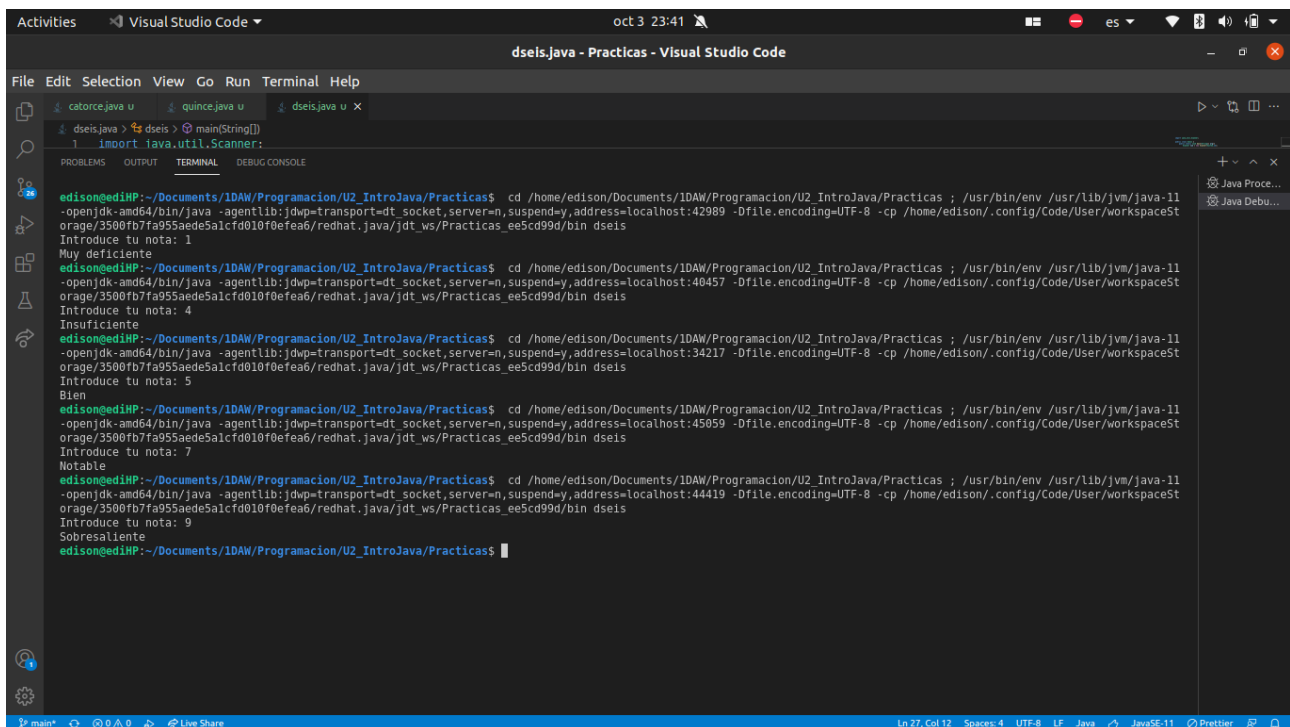
# INTRODUCCION A JAVA

## Ejercicio 16:



The screenshot shows the Visual Studio Code editor with a Java file named `dseis.java`. The code is as follows:

```
1 import java.util.Scanner;
2
3 public class dseis {
4     public static void main(String[] arg){
5         Scanner num = new Scanner(System.in);
6         int x;
7
8         System.out.print("Introduce tu nota: ");
9         x = num.nextInt();
10
11         if(x < 3){
12             System.out.println("Muy deficiente");
13         }
14         else if(x < 5){
15             System.out.println("Insuficiente");
16         }
17         else if(x < 6){
18             System.out.println("Bien");
19         }
20         else if(x < 9){
21             System.out.println("Notable");
22         }
23         else{
24             System.out.println("Sobresaliente");
25         }
26
27         num.close();
28     }
29 }
30
```

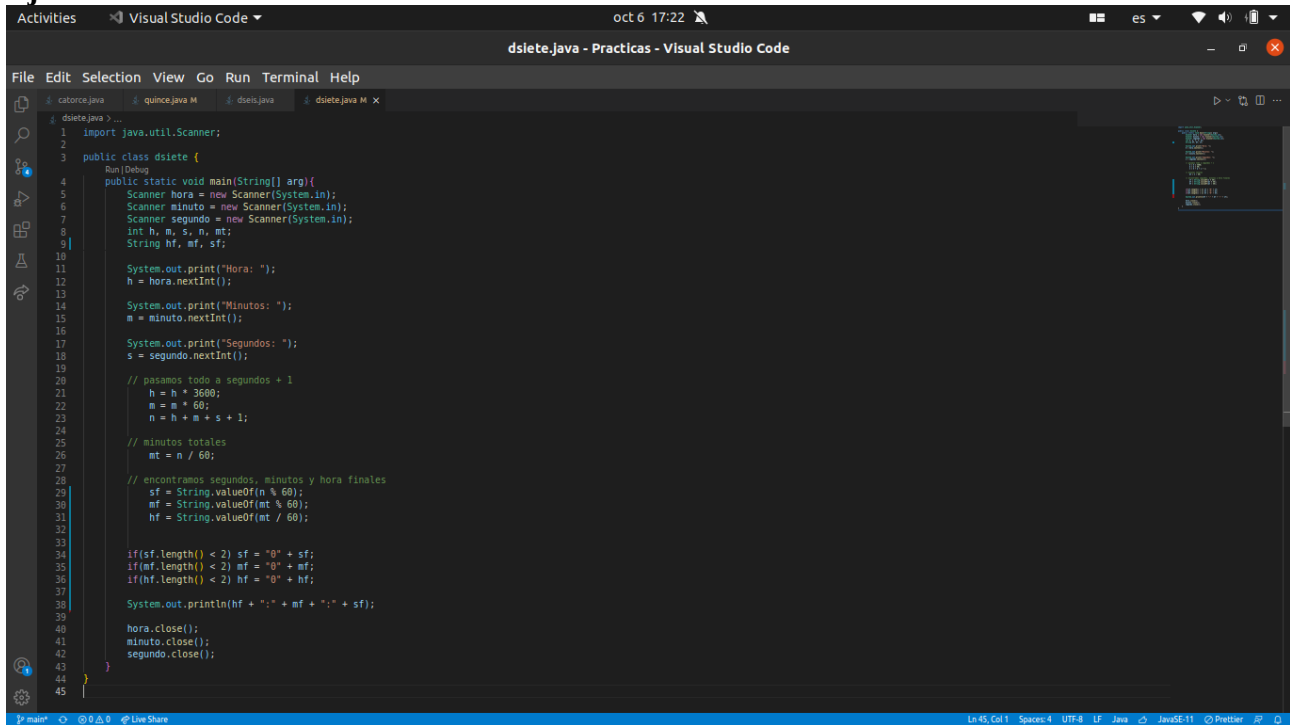


The screenshot shows the Visual Studio Code editor with the same Java file, but the terminal window is open, displaying the execution results. The terminal output is as follows:

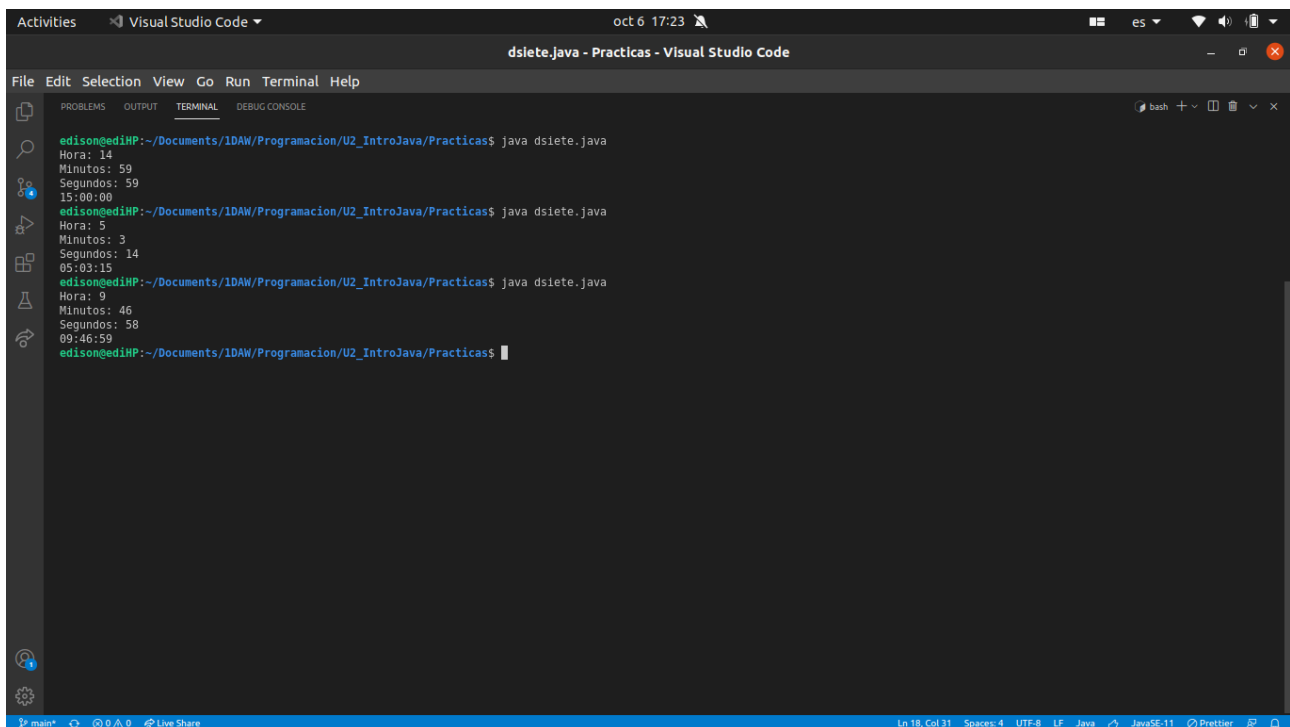
```
edison@ed1HP:~/Documents/IDAW/Programacion/U2_IntroJava/Practicas$ cd /home/edison/Documents/IDAW/Programacion/U2_IntroJava/Practicas ; /usr/bin/env /usr/lib/jvm/java-11
-openjdk-amd64/bin/java -agentlib:jdwp=transport=dt_socket,server=n,suspend=y,address=localhost:42989 -Dfile.encoding=UTF-8 -cp /home/edison/.config/Code/User/workspaceSt
orage/3500fb7fa955aede5alcfd010f0feaf6/redhat.java/jdt_ws/Practicas_ee5cd99d/bin dseis
Introduce tu nota: 1
Muy deficiente
edison@ed1HP:~/Documents/IDAW/Programacion/U2_IntroJava/Practicas$ cd /home/edison/Documents/IDAW/Programacion/U2_IntroJava/Practicas ; /usr/bin/env /usr/lib/jvm/java-11
-openjdk-amd64/bin/java -agentlib:jdwp=transport=dt_socket,server=n,suspend=y,address=localhost:40457 -Dfile.encoding=UTF-8 -cp /home/edison/.config/Code/User/workspaceSt
orage/3500fb7fa955aede5alcfd010f0feaf6/redhat.java/jdt_ws/Practicas_ee5cd99d/bin dseis
Introduce tu nota: 4
Insuficiente
edison@ed1HP:~/Documents/IDAW/Programacion/U2_IntroJava/Practicas$ cd /home/edison/Documents/IDAW/Programacion/U2_IntroJava/Practicas ; /usr/bin/env /usr/lib/jvm/java-11
-openjdk-amd64/bin/java -agentlib:jdwp=transport=dt_socket,server=n,suspend=y,address=localhost:34217 -Dfile.encoding=UTF-8 -cp /home/edison/.config/Code/User/workspaceSt
orage/3500fb7fa955aede5alcfd010f0feaf6/redhat.java/jdt_ws/Practicas_ee5cd99d/bin dseis
Introduce tu nota: 5
Bien
edison@ed1HP:~/Documents/IDAW/Programacion/U2_IntroJava/Practicas$ cd /home/edison/Documents/IDAW/Programacion/U2_IntroJava/Practicas ; /usr/bin/env /usr/lib/jvm/java-11
-openjdk-amd64/bin/java -agentlib:jdwp=transport=dt_socket,server=n,suspend=y,address=localhost:45059 -Dfile.encoding=UTF-8 -cp /home/edison/.config/Code/User/workspaceSt
orage/3500fb7fa955aede5alcfd010f0feaf6/redhat.java/jdt_ws/Practicas_ee5cd99d/bin dseis
Introduce tu nota: 7
Notable
edison@ed1HP:~/Documents/IDAW/Programacion/U2_IntroJava/Practicas$ cd /home/edison/Documents/IDAW/Programacion/U2_IntroJava/Practicas ; /usr/bin/env /usr/lib/jvm/java-11
-openjdk-amd64/bin/java -agentlib:jdwp=transport=dt_socket,server=n,suspend=y,address=localhost:44419 -Dfile.encoding=UTF-8 -cp /home/edison/.config/Code/User/workspaceSt
orage/3500fb7fa955aede5alcfd010f0feaf6/redhat.java/jdt_ws/Practicas_ee5cd99d/bin dseis
Introduce tu nota: 9
Sobresaliente
edison@ed1HP:~/Documents/IDAW/Programacion/U2_IntroJava/Practicas$
```

# INTRODUCCION A JAVA

## Ejercicio 17:



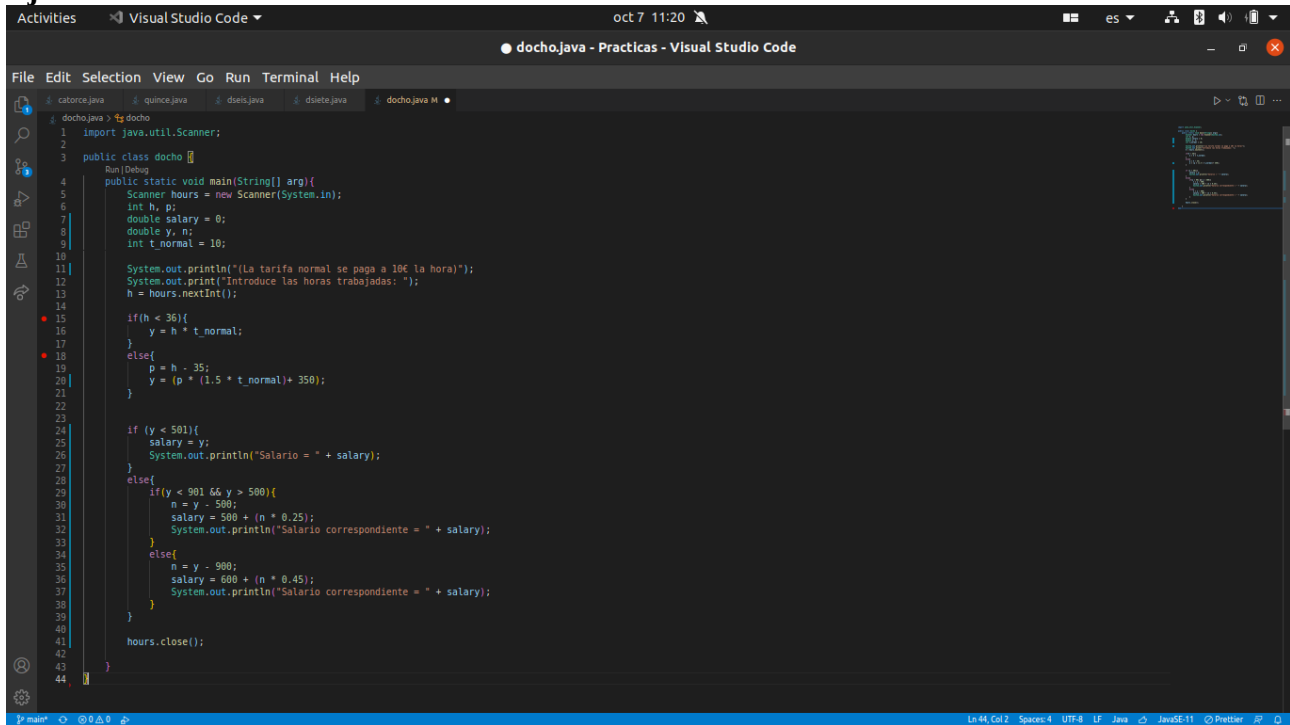
```
1 import java.util.Scanner;
2
3 public class dsiete {
4     public static void main(String[] arg){
5         Scanner hora = new Scanner(System.in);
6         Scanner minuto = new Scanner(System.in);
7         Scanner segundo = new Scanner(System.in);
8         int h, m, s, h, mt;
9         String hf, mf, sf;
10
11         System.out.print("Hora: ");
12         h = hora.nextInt();
13
14         System.out.print("Minutos: ");
15         m = minuto.nextInt();
16
17         System.out.print("Segundos: ");
18         s = segundo.nextInt();
19
20         // pasamos todo a segundos + 1
21         h = h * 3600;
22         m = m * 60;
23         n = h + m + s + 1;
24
25         // minutos totales
26         mt = n / 60;
27
28         // encontramos segundos, minutos y hora finales
29         sf = String.valueOf(n % 60);
30         mf = String.valueOf(mt % 60);
31         hf = String.valueOf(mt / 60);
32
33         if(sf.length() < 2) sf = "0" + sf;
34         if(mf.length() < 2) mf = "0" + mf;
35         if(hf.length() < 2) hf = "0" + hf;
36
37         System.out.println(hf + ":" + mf + ":" + sf);
38
39         hora.close();
40         minuto.close();
41         segundo.close();
42     }
43 }
44
45
```



```
edison@edlHP:~/Documents/IDAW/Programacion/U2_IntroJava/Practicas$ java dsiete.java
Hora: 14
Minutos: 59
Segundos: 59
15:00:00
edison@edlHP:~/Documents/IDAW/Programacion/U2_IntroJava/Practicas$ java dsiete.java
Hora: 5
Minutos: 3
Segundos: 14
05:03:15
edison@edlHP:~/Documents/IDAW/Programacion/U2_IntroJava/Practicas$ java dsiete.java
Hora: 9
Minutos: 46
Segundos: 58
09:46:59
edison@edlHP:~/Documents/IDAW/Programacion/U2_IntroJava/Practicas$
```

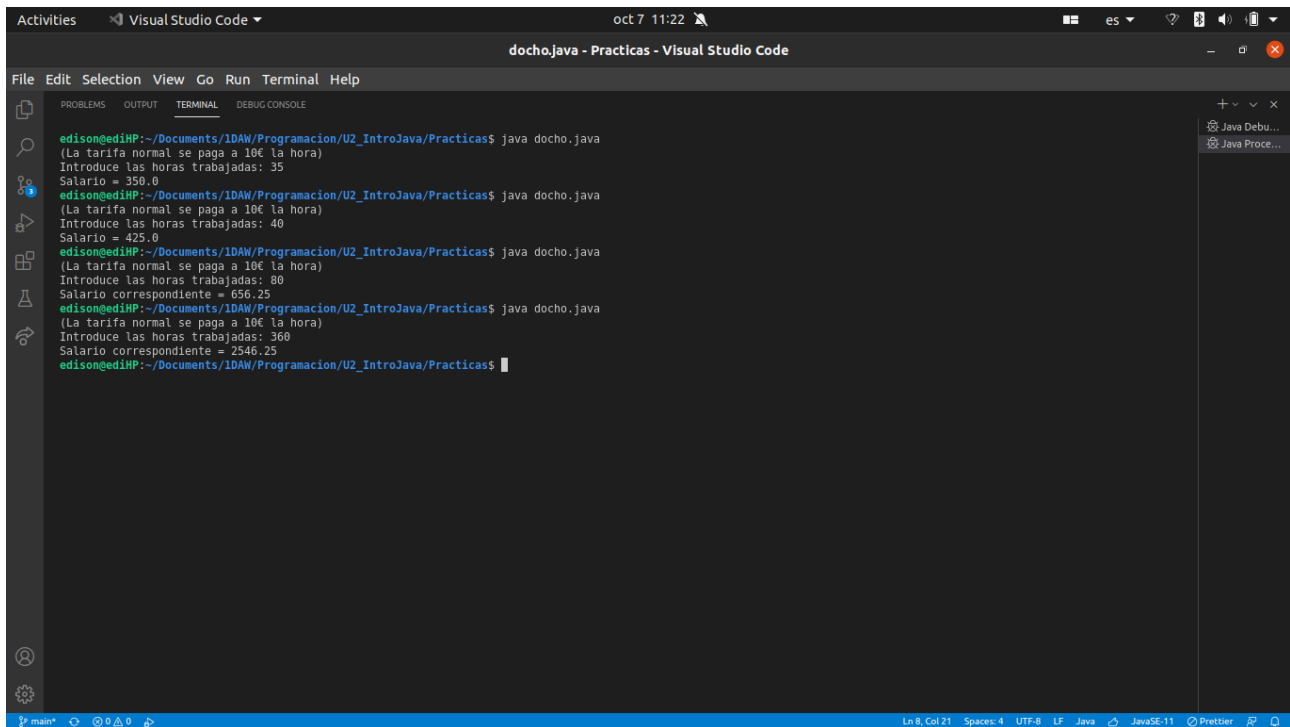
# INTRODUCCION A JAVA

## Ejercicio 18:



The screenshot shows the Visual Studio Code editor with the file `docho.java` open. The code is a Java program that calculates a salary based on hours worked. It uses a Scanner to read input from the user. The program has several conditional statements to handle different rates and bonuses.

```
1 import java.util.Scanner;
2
3 public class docho {
4     public static void main(String[] arg){
5         Scanner hours = new Scanner(System.in);
6         int h, p;
7         double salary = 0;
8         double y, n;
9         int t_normal = 10;
10
11         System.out.println("La tarifa normal se paga a 10€ la hora");
12         System.out.print("Introduce las horas trabajadas: ");
13         h = hours.nextInt();
14
15         if(h < 36){
16             y = h * t_normal;
17         }
18         else{
19             p = h - 35;
20             y = (p * (1.5 * t_normal)) + 350;
21         }
22
23         if(y < 501){
24             salary = y;
25             System.out.println("Salario = " + salary);
26         }
27         else{
28             if(y < 901 && y > 500){
29                 n = y - 500;
30                 salary = 500 + (n * 0.25);
31                 System.out.println("Salario correspondiente = " + salary);
32             }
33             else{
34                 n = y - 900;
35                 salary = 600 + (n * 0.45);
36                 System.out.println("Salario correspondiente = " + salary);
37             }
38         }
39         hours.close();
40     }
41 }
42
43
44
```



The screenshot shows the Visual Studio Code editor with the file `docho.java` open. The terminal window is active, showing the output of the program. The user has entered 35 hours, 40 hours, 80 hours, and 360 hours, and the program has calculated the corresponding salaries.

```
edison@edihp:~/Documents/IDAW/Programacion/U2_IntroJava/Practicas$ java docho.java
(La tarifa normal se paga a 10€ la hora)
Introduce las horas trabajadas: 35
Salario = 350.0
edison@edihp:~/Documents/IDAW/Programacion/U2_IntroJava/Practicas$ java docho.java
(La tarifa normal se paga a 10€ la hora)
Introduce las horas trabajadas: 40
Salario = 425.0
edison@edihp:~/Documents/IDAW/Programacion/U2_IntroJava/Practicas$ java docho.java
(La tarifa normal se paga a 10€ la hora)
Introduce las horas trabajadas: 80
Salario correspondiente = 656.25
edison@edihp:~/Documents/IDAW/Programacion/U2_IntroJava/Practicas$ java docho.java
(La tarifa normal se paga a 10€ la hora)
Introduce las horas trabajadas: 360
Salario correspondiente = 2546.25
edison@edihp:~/Documents/IDAW/Programacion/U2_IntroJava/Practicas$
```