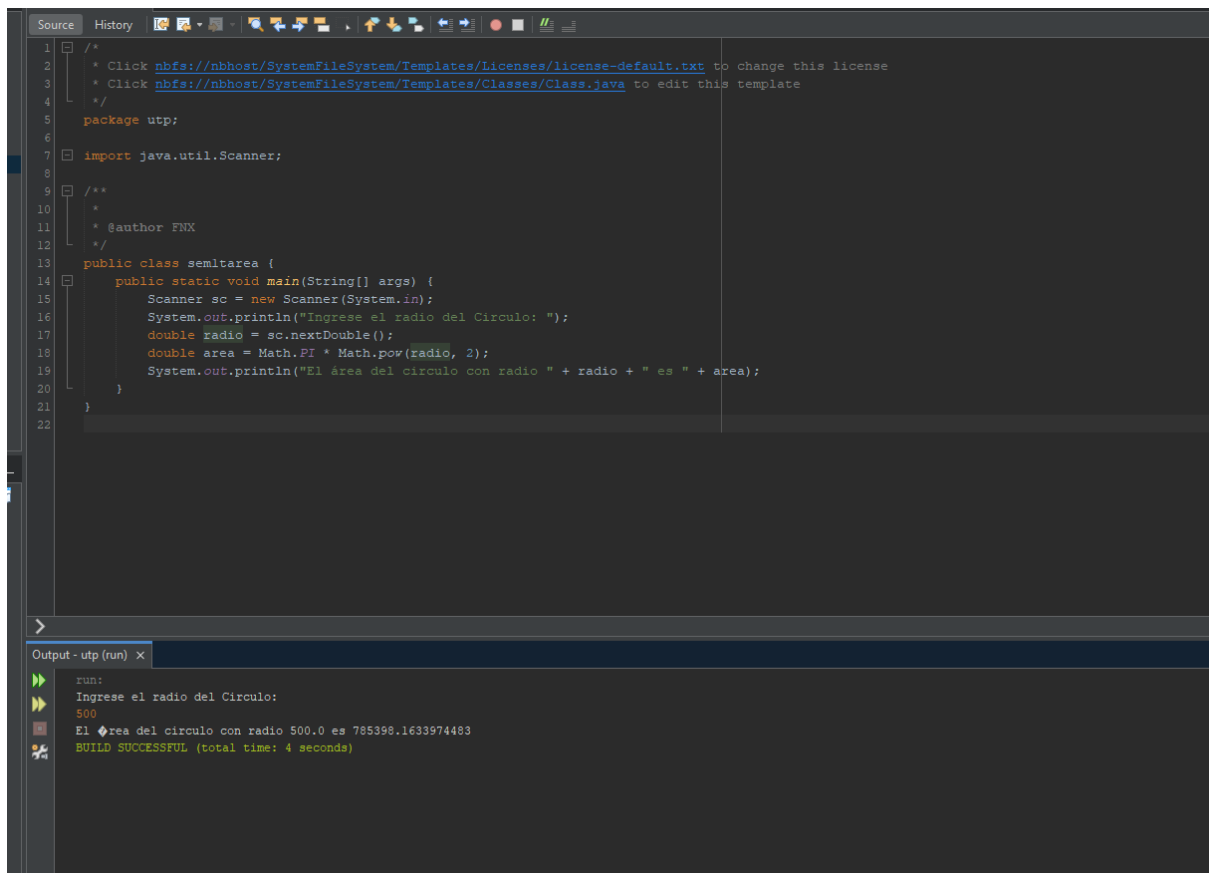


SEMANA 1 TAREA

Ejercicio 1: Calcular el área de un círculo:



The screenshot shows an IDE with a Java file named `semitarea.java`. The code defines a package `utp`, imports `java.util.Scanner`, and defines a class `semitarea` with a `main` method. The `main` method prompts the user to enter the radius of a circle, reads the input, and calculates the area using the formula $A = \pi r^2$. The output window shows the program running successfully with the input `500` and the calculated area `785398.1633974483`.

```
1  /*  
2   * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license  
3   * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template  
4   */  
5   package utp;  
6  
7   import java.util.Scanner;  
8  
9   /**  
10    *  
11    * @author FNX  
12    */  
13    public class semitarea {  
14        public static void main(String[] args) {  
15            Scanner sc = new Scanner(System.in);  
16            System.out.println("Ingrese el radio del Circulo: ");  
17            double radio = sc.nextDouble();  
18            double area = Math.PI * Math.pow(radio, 2);  
19            System.out.println("El área del círculo con radio " + radio + " es " + area);  
20        }  
21    }  
22
```

Output - utp (run) x

```
run:  
Ingrese el radio del Circulo:  
500  
El área del círculo con radio 500.0 es 785398.1633974483  
BUILD SUCCESSFUL (total time: 4 seconds)
```

Ejercicio 2: Convertir grados Celsius a Fahrenheit:

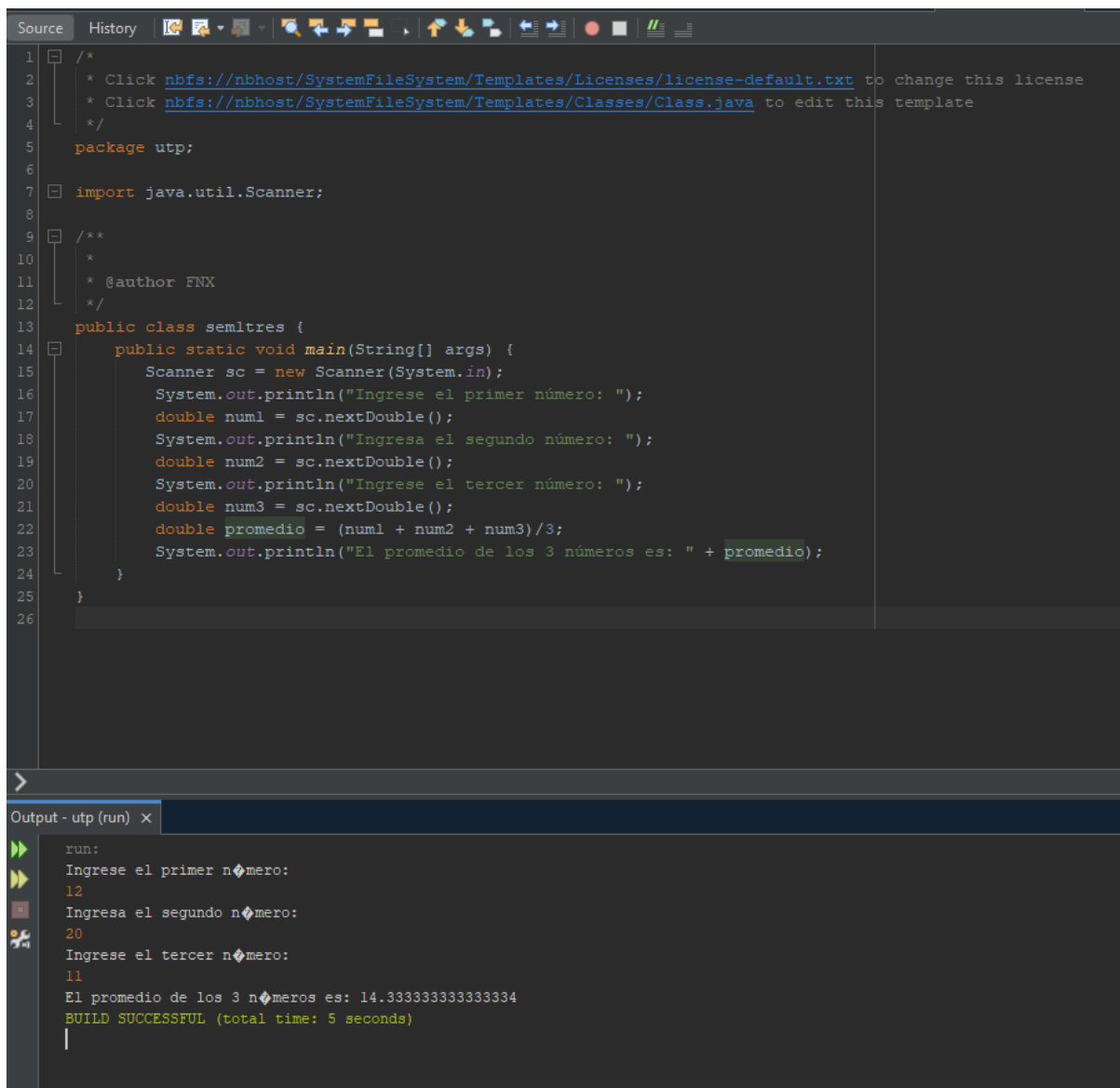
```
1
2 import java.util.Scanner;
3
4
5 /*
6  * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
7  * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template
8  */
9
10 /**
11  *
12  * @author FNX
13  */
14 public class semldos {
15     public static void main(String[] args) {
16         Scanner sc = new Scanner(System.in);
17         System.out.println("Ingrese la temperatura en grados Celsius: ");
18         double celsius = sc.nextDouble();
19         double fahrenheit = (celsius * 9.0 / 5.0) + 32;
20         System.out.println(celsius + " °C equivalen a " + fahrenheit + " °F");
21     }
22 }
```

>

Output - utp (run) ×

```
run:
Ingrese la temperatura en grados Celsius:
150
150.0 °C equivalen a 302.0 °F
BUILD SUCCESSFUL (total time: 13 seconds)
```

Ejercicio 3: Calcular el promedio de 3 números:



The image shows a screenshot of an IDE with a Java source file and its output. The source code defines a package `utp`, imports `java.util.Scanner`, and contains a class `semitres` with a `main` method. The `main` method uses a `Scanner` to read three double values from the user, calculates their average, and prints the result. The output window shows the execution of the program with the inputs 12, 20, and 11, resulting in an average of 14.333333333333334.

```
1  /*
2   * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
3   * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template
4   */
5   package utp;
6
7   import java.util.Scanner;
8
9   /**
10    *
11    * @author FNX
12    */
13   public class semitres {
14       public static void main(String[] args) {
15           Scanner sc = new Scanner(System.in);
16           System.out.println("Ingrese el primer número: ");
17           double num1 = sc.nextDouble();
18           System.out.println("Ingresa el segundo número: ");
19           double num2 = sc.nextDouble();
20           System.out.println("Ingrese el tercer número: ");
21           double num3 = sc.nextDouble();
22           double promedio = (num1 + num2 + num3)/3;
23           System.out.println("El promedio de los 3 números es: " + promedio);
24       }
25   }
26
```

Output - utp (run) x

```
run:
Ingrese el primer número:
12
Ingresa el segundo número:
20
Ingrese el tercer número:
11
El promedio de los 3 números es: 14.333333333333334
BUILD SUCCESSFUL (total time: 5 seconds)
```