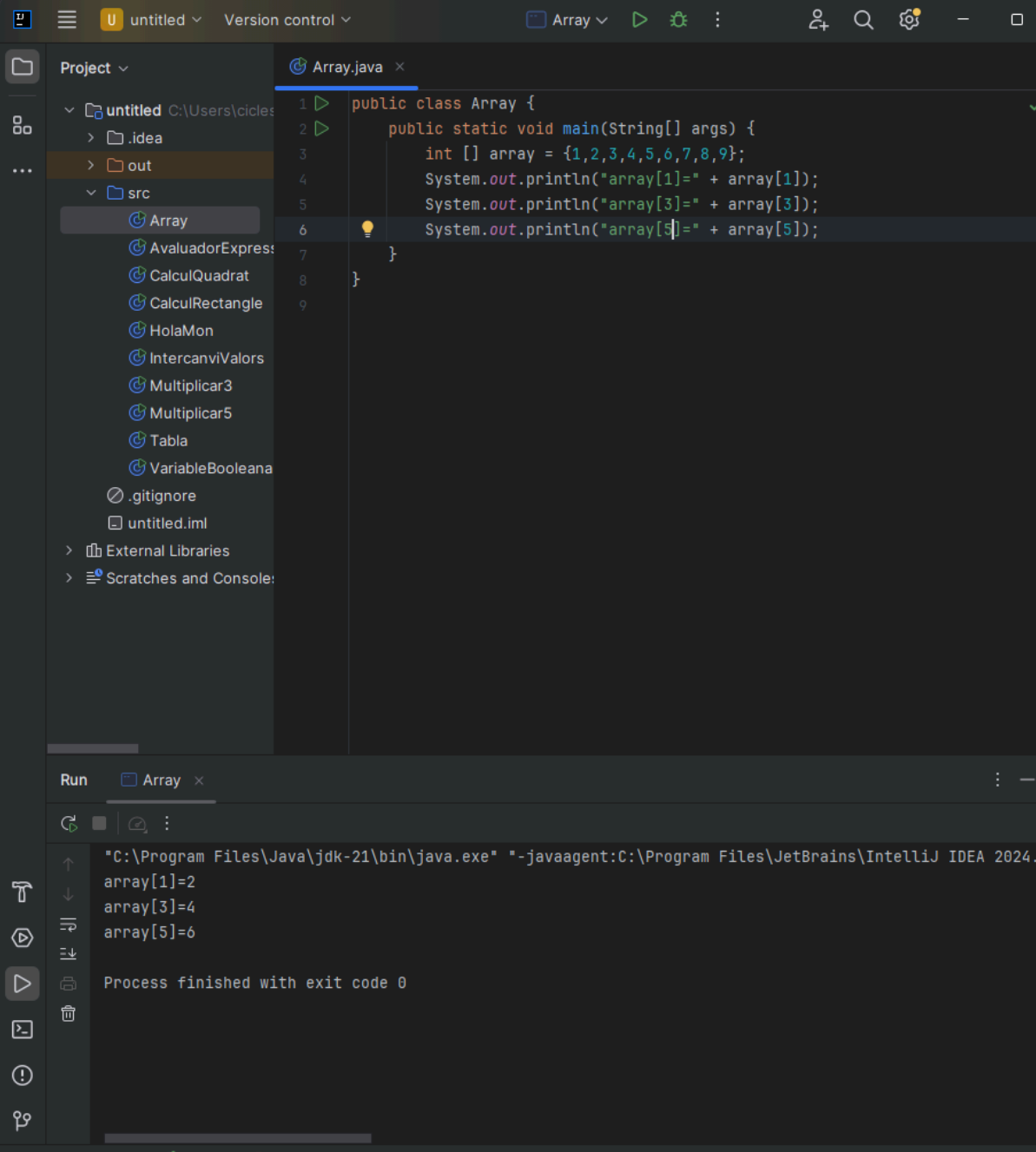


Exercici 3.14: Crear un array de 10 posicions d'enters i omplir-lo utilitzant inicialització explícita. Treure per pantalla el número ubicat en les posicions 1, 3 y 5
Exemple del que ha de sortir per pantalla:

array[1] = 3

array[3] = 7

array[5] = 9



The screenshot shows the IntelliJ IDEA IDE with a project named 'untitled'. The 'src' directory contains a file named 'Array.java'. The code in 'Array.java' is as follows:

```
1 public class Array {  
2     public static void main(String[] args) {  
3         int [] array = {1,2,3,4,5,6,7,8,9};  
4         System.out.println("array[1]=" + array[1]);  
5         System.out.println("array[3]=" + array[3]);  
6         System.out.println("array[5]=" + array[5]);  
7     }  
8 }  
9
```

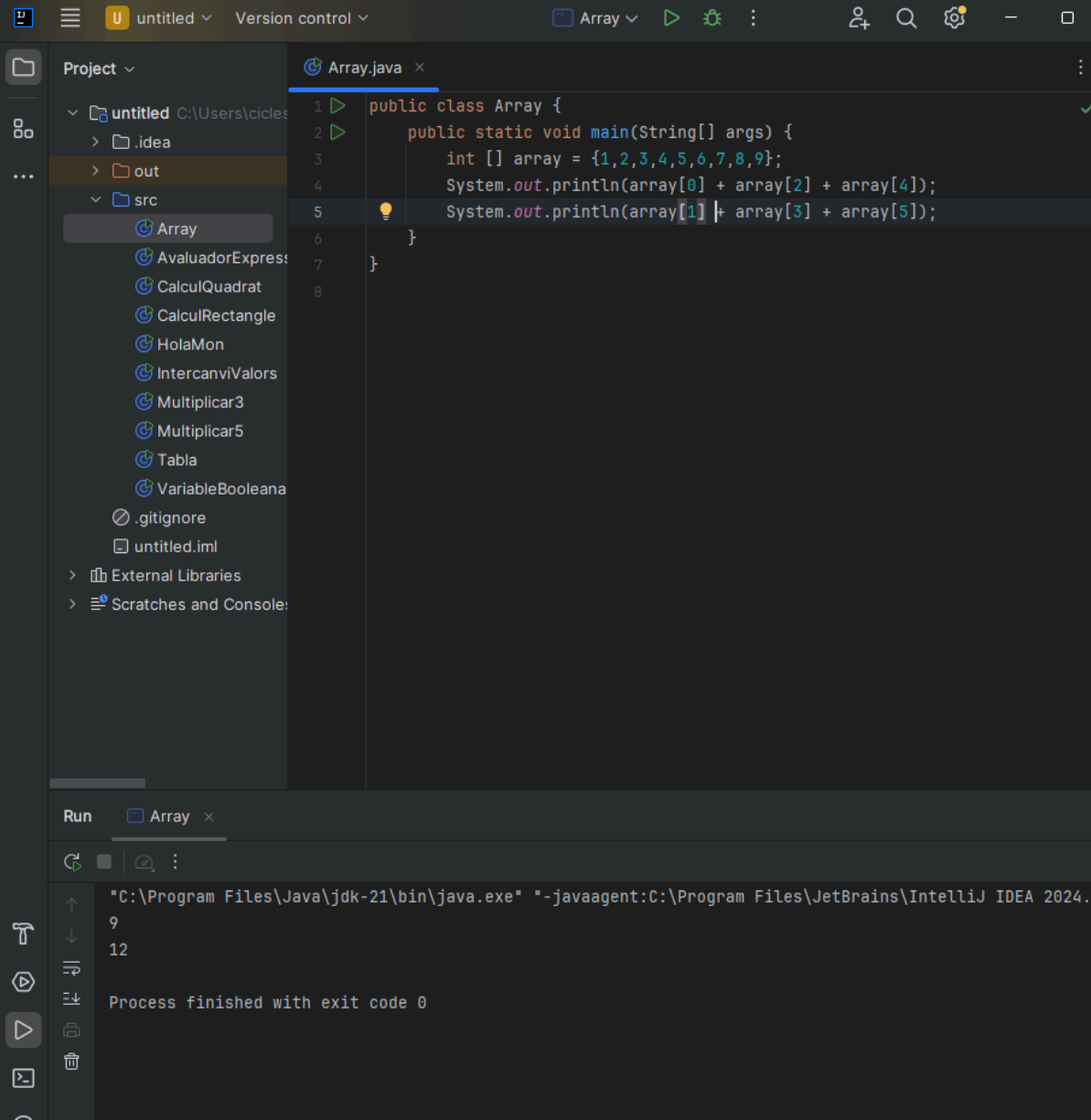
The 'Run' window at the bottom shows the output of the program:

```
"C:\Program Files\Java\jdk-21\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA 2024.2\lib\idea_rt.jar" 6336 -Dfile.encoding=UTF-8  
array[1]=2  
array[3]=4  
array[5]=6  
Process finished with exit code 0
```

Exercici 3.15: Omplir una taula amb valors reals i treure per pantalla la suma de les posicions 0,2,4 i en la línia següent la suma de les posicions 1,3,5.
Exemple del que ha de sortir per pantalla:

Suma de les posicions 0,2,4 = 23.22

Suma de les posicions 1,3,5 = 48.68



The screenshot shows the IntelliJ IDEA IDE with a project named 'untitled'. The 'src' directory contains a file named 'Array.java'. The code in 'Array.java' is as follows:

```
1 public class Array {  
2     public static void main(String[] args) {  
3         int [] array = {1,2,3,4,5,6,7,8,9};  
4         System.out.println(array[0] + array[2] + array[4]);  
5         System.out.println(array[1] + array[3] + array[5]);  
6     }  
7 }  
8
```

The 'Run' tab at the bottom shows the execution output:

```
"C:\Program Files\Java\jdk-21\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA 2024.2\lib\idea_rt.jar" 9  
12  
Process finished with exit code 0
```

Exercici 3.16: Crear una taula que emmagatzemi les notes obtingudes per alumne a cada trimestre i en calculi la nota final (mitjana de les 3 notes)

The screenshot shows the IntelliJ IDEA IDE with a project named 'untitled'. The 'src' folder contains several Java files, including 'Array2D.java'. The code in 'Array2D.java' is as follows:

```
1 public class Array2D {  
2     public static void main(String[] args) {  
3         int [][] array = {  
4             {1,2,3},  
5             {5,8,9}  
6         };  
7         System.out.println((array[0][0] + array[0][1] + array[0][2])/3);  
8         System.out.println((array[1][0] + array[1][1] + array[1][2])/3);  
9     }  
10 }  
11
```

The 'Run' button is highlighted, and the 'Run' configuration is set to 'Array2D'. The output console shows the following results:

```
"C:\Program Files\Java\jdk-21\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA 2024  
2  
7  
Process finished with exit code 0
```

Exercici 3.17: Crea dues taules (taulaA i taulaB) amb 5 valors enters cadascuna. Després crea una altra taula (taulaC) que contengui la suma de cadascuna de les posicions de A i B. Es a dir, dins la posició 0 de la taula C hi ha d'haver la suma del contingut de la posició 0 de A més el contingut de la posició 0 de B. Mostra el contingut de la taulaC per pantalla.

The screenshot displays the IntelliJ IDEA IDE with a project named 'untitled'. The 'src' directory contains several Java files, including 'ArrayABC.java'. The code in 'ArrayABC.java' is as follows:

```
1  public class ArrayABC {
2      public static void main(String[] args) {
3          int [] taulaA = {1,5,7,2,7};
4          int [] taulaB = {3,7,34,2,4};
5          int [] taulaC = {taulaA[0] + taulaB[0], taulaA[1] + taulaB[1], taulaA[2]
6          System.out.println(taulaC[0]);
7          System.out.println(taulaC[1]);
8          System.out.println(taulaC[2]);
9          System.out.println(taulaC[3]);
10         System.out.println(taulaC[4]);
11     }
12 }
13
```

The 'Run' tab at the bottom shows the execution command: `"C:\Program Files\Java\jdk-21\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA 2024.2`. The console output displays the following values:

```
4
12
41
4
11
```

The process finished with exit code 0.

Exercici 3.18: Crear una taula de 5 valors reals i, utilitzant la propietat `length`, mostrar el contingut de la darrera posició. (No podeu emprar el número de darrer índex, heu d'emprar la propietat `length` per calcular la darrera posició).

