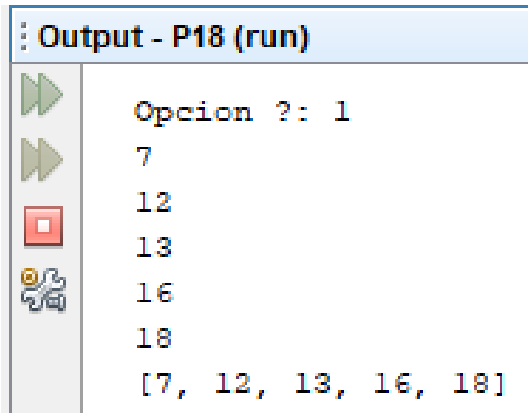
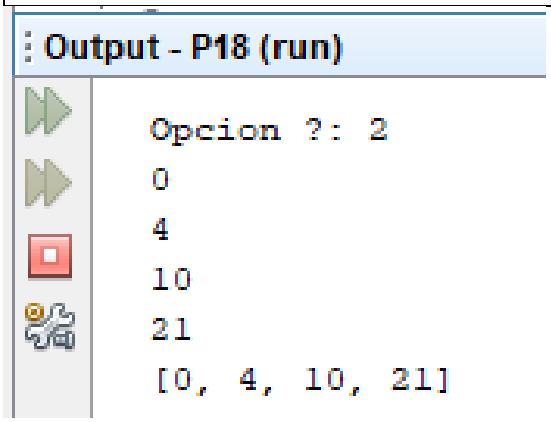
EJERCICIO 1

```
case 1:
            int[] arrayNumbers = new int[]{7, 12, 13, 16, 18};
            viewArrayInt(arrayNumbers);
            break;

private static void viewArrayInt(int[] arrayNumbers) {

    for (int i = 0; i < arrayNumbers.length; i++) {
       System.out.println(arrayNumbers[i]);
    }
    System.out.println(Arrays.toString(arrayNumbers));
  }
```



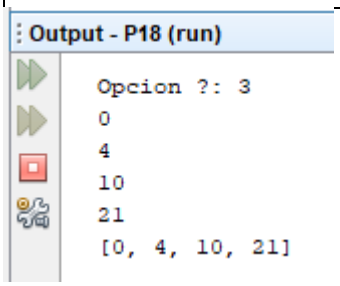
EJERCICIO 2

```
case 2:
        int[] arrayIva;
        arrayIva = new int[]{0, 4, 10, 21};
        viewArrayInt(arrayIva);
        break;
```



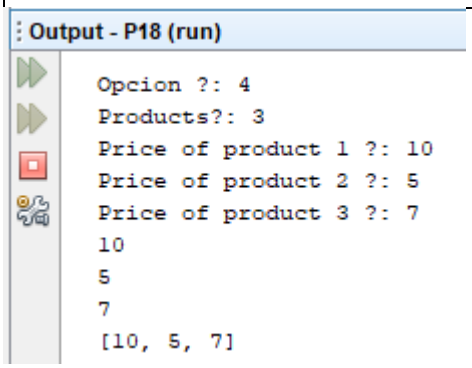
EJERCICIO 3

```
case 3:
        int[] arrayIva2 = new int[4];
        arrayIva2[0] = 0;
        arrayIva2[1] = 4;
        arrayIva2[2] = 10;
        arrayIva2[3] = 21;
        break;
```



EJERCICIO 4

```
case 4:
        int count = 1;
        System.out.print("Products?: ");
        int elements = keyboard.nextInt();
        int[] arrayPrice = new int[elements];
        for (int i = 0; i < elements; i++) {
           System.out.print("Price of product " + count + " ?: ");
           arrayPrice[i] = keyboard.nextInt();
           count++;
        }
        viewArrayInt(arrayPrice);
        break;
```



EJERCICIO 5

```
case 5:
        String[] arrayName;
        float[] arrayHeight;
        int Nmax;
        System.out.print("How many students?: ");
        Nmax = keyboard.nextInt();
        arrayName = new String[Nmax];
        arrayHeight = new float[Nmax];
        for (int i = 0; i < arrayName.length; i++) {
           System.out.println("Name[ " + i + " ]:");
           arrayName[i] = keyboard.next();
           System.out.println("Height?");
           arrayHeight[i] = (float) keyboard.nextDouble();
        }
        viewStudent(arrayName, arrayHeight);
        break;
```

```
Output - P18 (run)
Opcion ?: 5
How many students?: 3
Name[ 0 ]:
sergi
Height?
1,80
Name[ 1 ]:
alvaro
Height?
2
Name[ 2 ]:
tosti
Height?
1,60
sergi
1.8
alvaro
2.0
tosti
1.6
```

EJERCICIO 6

```
case 6:
        String[] arrayNames;
        float[] arrayHeight2;
        int Nmax2;
        System.out.print("How many students?: ");
        Nmax2 = keyboard.nextInt();
        arrayNames = new String[Nmax2];
        arrayHeight2 = new float[Nmax2];
        for (int i = 0; i < arrayNames.length; i++) {
           System.out.println("Name[ " + i + " ]:");
           arrayNames[i] = keyboard.next();
           System.out.println("Height?");
           arrayHeight2[i] = (float) keyboard.nextDouble();
        }
        Float maxValue = arrayHeight2[0];
        for (int i = 0; i < arrayNames.length; i++) {

           if (arrayHeight2[i] > maxValue) {
              maxValue = arrayHeight2[i];
           }
        }
        System.out.println("Max Value:" + maxValue);

        Float minValue = arrayHeight2[0];

        for (int i = 0; i < arrayNames.length; i++) {

           if (arrayHeight2[i] < minValue) {
              minValue = arrayHeight2[i];
           }
        }
        System.out.println("Min Value:" + minValue);

        Float medValue = arrayHeight2[0];
        for (int i = 0; i < arrayNames.length; i++) {
             medValue += arrayHeight2[i];
        }
        medValue = medValue / arrayNames.length;
        System.out.println("The average is: " + medValue);

        //String aveStudents = arrayNames;
        for (int i = 0; i < arrayNames.length; i++) {
           if (arrayHeight2[0]< medValue);
          // aveStudents=arrayNames[i];
           //System.out.println("This guy exceeds the average: "+aveStudents);
        }
        viewStudent(arrayNames, arrayHeight2);
        break;
```

EJERCICIO 6

Output - P18 (run)

```
Opcion ?: 6
How many students?: 3
Name[ 0 ]:
sergi
Height?
1,80
Name[ 1 ]:
alvaro
Height?
2
Name[ 2 ]:
tosti
Height?
1,60
Max Value:2.0
Min Value:1.6
The average is: 2.3999999
sergi
1.8
alvaro
2.0
tosti
1.6
```

EJERCICIO 7

```
case 7:
        String[] arrayDays = new String[]{"Not Valid", "Monday", "Tuesday",
"Wednesday", "Thursday", "Friday", "Saturday", "Sunday"};
        System.out.println("Tell me one day: ");
        int day = keyboard.nextInt();
        System.out.println(arrayDays[day]);
        break;
```

```
Opcion ?: 7
Tell me one day:
5
Friday
```

```
Opcion ?: 7
Tell me one day:
2
Tuesday
```

EJERCICIO 8

```
case 8:
            System.out.print("DNI?: ");
            int dni = keyboard.nextInt();
            char letter = functionDNI1(dni);
            System.out.println(dni + " " + letter);

            break;
          case 9:
            p9();
            break;
          case 10:
            System.out.println("Quieres salir? Y/N");
            String res = keyboard.next();
            if (res.equals("Y")) {
              System.out.println("Asta la procsimaa");
            } else {
              option = 90;
              System.out.println("Continue: ");
            }
            break;
          default:
            System.out.println("Opcion no valida");
        }//fin switch
    } while (option != 10);
}
```

EJERCICIO 8

```
Opcion ?: 8
DNI?: 45613278
45613278 T
```