## Arrays

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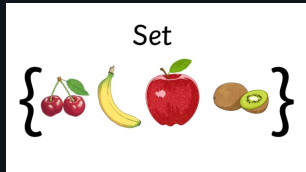
# Agenda

```
├── Concepts
├── Data types
├── Arrays
├── Magic Words?
└── Intro POO
    ├── Scenario
    ├── Object oriented solution
    └── Classes
```

## 🟧 Concepts

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**Programming paradigm**

1. A high level model to conceptualize and structure a computer program implementation

**Implementation**

The process of moving an idea from concept to reality

# 🟨 Data types

## Primitives

- byte = 0
- short = 0
- int = 0
- long = 0L
- float = 0.0f
- double = 0.0d
- boolean = false
- char = '\u0000'
- *String = null

## Arrays

`<type>[] <nombreVar> = new <type>[<size>]`

```
1  // Declares an array of integers
2  int[] myArray;
3
4  // allocates memory for 10 integers
5  myArray = new int[10];
```

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**Arrays**
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```

When do we use new?

> new
> A Java keyword used to create an instance of a class.

## Arrays

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How can we create an array to store everybody name's?

```
1  int[] myArray = new int[10];
2
3  myArray[0] = 3;
4
5  System.out.print("El primer integer en el arreglo es: "
   + myArray[0]);
```

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What does the keywords in function main mean?

```
1 class Demo {
2     public static void main(String[] args){
3         ...
4     }
5 }
```

## References

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https://docs.oracle.com/javase/tutorial/java/nutsandbolts/arrays.html