



**Al-Mustaqbal University**  
**College of Sciences**  
**Intelligent Medical System Department**

---



جامعة المستقبل  
AL MUSTAQBAL UNIVERSITY

**كلية العلوم**  
**قسم الانظمة الطبية الذكية**

**Lecture: (7)**  
**String Processing**

**Subject: Computer Programming**

**Class: One**

**Lecturer: Dr. Maytham N.  
Meqdad ,Programmer.Noor.H.Obaid**



## String Processing

**String processing in Java** is one of the most important aspects for any programmer, because most of the data we work with in programs (such as names, emails, passwords) is in the form of text.

In Java, a String is not just a **simple data type**; it's an **Object** with very powerful properties and tools.

### 1. The concept of a String in Java

A String is a **sequence of characters**. The most important feature in Java is that strings are **Immutable**; that is, once a string is created, you cannot modify its contents in memory, but rather a new string is created.

### 2. Text splitting and data extraction (Parsing)

```
public class string6 {  
    public static void main(String[] args) {  
        // TODO Auto-generated method stub  
        String data = "Ahmed,25,Engineer";  
        String[] parts = data.split(",");  
  
        for (String part : parts) {  
            System.out.println("data: " + part);  
        }  
    }  
}
```

#### Output:

```
data: Ahmed  
data: 25  
data: Engineer
```

