

# What is Object-Oriented Programming?

This lesson gives a short introduction to object-oriented programming.

## WE'LL COVER THE FOLLOWING ^

- Introduction
- Definition
  - Example
  - Explanation

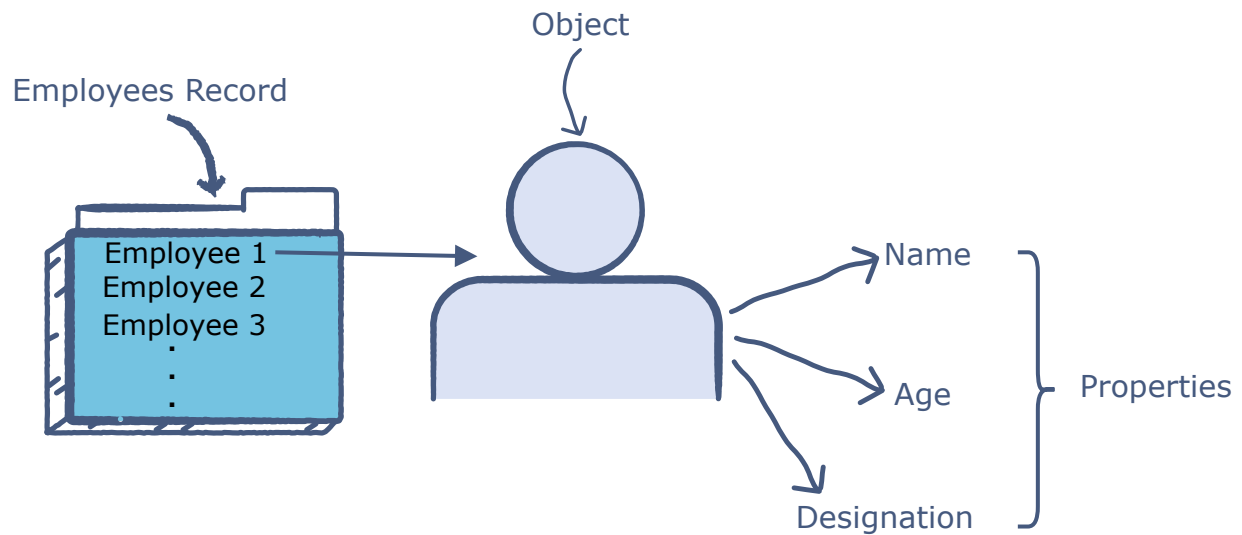
## Introduction #

If you are familiar with languages such as **C#** and **Java**, then you must have heard the term *Object-Oriented Programming* (OOP). You might have an idea of OOP and how it relates to classes and objects. Before we delve into those details, let's take a look at the definition.

## Definition #

**Object-oriented programming** is a style of programming, not a tool, which is why despite being old, it's very popular and widely used. This style involves breaking a program into segments of *objects* that can communicate with each other. Each object is defined by its own set of *properties*. These properties can then be accessed and modified through various operations.

## Example #



### Explanation #

The above illustration gives a real-life example of an employee record in which each employee can be considered an “object”. Since every employee has a *name*, *age*, and *designation*, these can be considered the *properties* of that employee.

---

Now that you know the basic concept of object-oriented programming, let's see how it is used in JavaScript and how it differs from OOP in other languages.