

1 first

Inheritance is one of the core concepts of object-oriented programming (OOP) languages. It is a mechanism where you can to derive a class from another class for a hierarchy of classes that share a set of attributes and methods.

You can use it to declare different kinds of exceptions, add custom logic to existing frameworks, and even map your domain model to a database. Try Stackify's free code profiler, Prefix, to write better code on your workstation. Prefix works with .NET, Java, PHP, Node.js, Ruby, and Python.

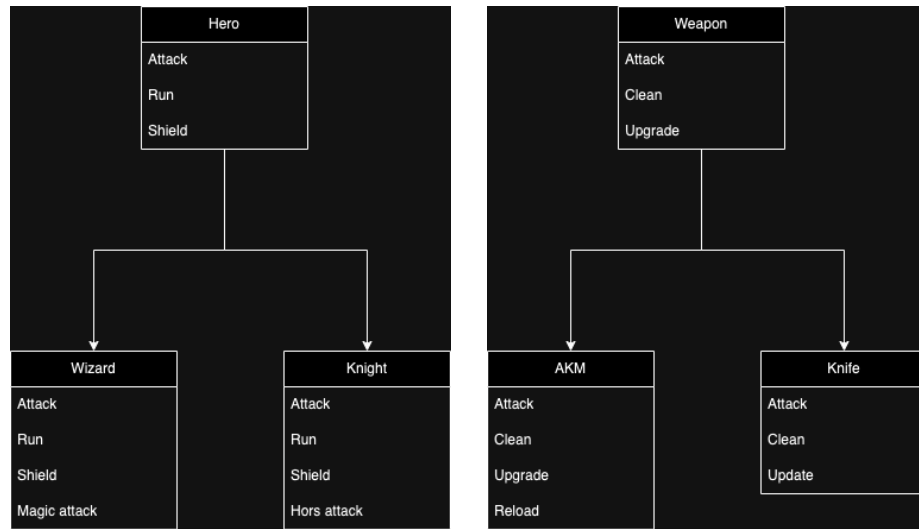


Figure 1: Exemple.

Matrix Example

Here is a 5x5 matrix:

$$\begin{bmatrix} 1 & 2 & 3 & 4 & 5 \\ 6 & 7 & 8 & 9 & 10 \\ 11 & 12 & 13 & 14 & 15 \\ 16 & 17 & 18 & 19 & 20 \\ 21 & 22 & 23 & 24 & 25 \end{bmatrix}$$

The sum of the first n natural numbers:

$$\sum_{k=1}^n k = 1 + 2 + 3 + \dots + n$$

$$\lim_{x \rightarrow \infty} \frac{1}{x} = 0$$