

In computer programming, an enumerated type (also called enumeration, enum, or factor in the R programming language, and a categorical variable in statistics) is a data type consisting of a set of named values called elements, members, enumeral, or enumerators of the type. The enumerator names are usually identifiers that behave as constants in the language. An enumerated type can be seen as a degenerate tagged union of unit type. A variable that has been declared as having an enumerated type can be assigned any of the enumerators as a value. In other words, an enumerated type has values that are different from each other, and that can be compared and assigned, but are not specified by the

https://en.wikipedia.org/wiki/Enumerated_type

```
enum Status
```

```
{
```

```
    case Draft;
```

```
    case Proofreading;
```

```
    case Published;
```

```
    case Archived;
```

```
}
```