Dart Programming - Enumeration

An enumeration is used for defining named constant values. An enumerated type is declared using the **enum** keyword.

Syntax

```
enum enum_name {
    enumeration list
}
```

Where,

- The *enum_name* specifies the enumeration type name
- The *enumeration list* is a comma-separated list of identifiers

Each of the symbols in the enumeration list stands for an integer value, one greater than the symbol that precedes it. By default, the value of the first enumeration symbol is 0.

For example

```
enum Status {
    none,
    running,
    stopped,
    paused
}
```

Example

Live Demo

```
enum Status {
    none,
    running,
    stopped,
    paused
}
void main() {
    print(Status.values);
    Status.values.forEach((v) => print('value: $v, index: ${v.index}'));
    print('running: ${Status.running}, ${Status.running.index}');
    print('running index: ${Status.values[1]}');
}
```

It will produce the following **output** −

```
[Status.none, Status.running, Status.stopped, Status.paused]
value: Status.none, index: 0
value: Status.running, index: 1
value: Status.stopped, index: 2
value: Status.paused, index: 3
running: Status.running, 1
running index: Status.running
```