

# PHP Mapping for Constants

A Slice [constant](#) maps to a PHP constant. Consider the following definitions:

## Slice

```
module M {
    const bool      AppendByDefault = true;
    const byte      LowerNibble = 0x0f;
    const string     Advice = "Don't Panic!";
    const short      TheAnswer = 42;
    const double     PI = 3.1416;

    enum Fruit { Apple, Pear, Orange };
    const Fruit      FavoriteFruit = Pear;
};
```

The mapping for these constants is shown below:

## PHP

```
define('M_AppendByDefault', true);
define('M_LowerNibble', 15);
define('M_Advice', "Don't Panic!");
define('M_TheAnswer', 42);
define('M_PI', 3.1416);
define('M_FavoriteFruit', M_Fruit::Pear);
```

An application refers to a constant using its flattened name:

## PHP

```
$ans = M_TheAnswer;
```

Using the namespace mapping, Slice constants are mapped to PHP constants in the enclosing namespace:

## PHP

```
$ans = \M\TheAnswer;
```

See Also

- [Constants and Literals](#)
- [PHP Mapping for Identifiers](#)
- [PHP Mapping for Modules](#)
- [PHP Mapping for Built-In Types](#)
- [PHP Mapping for Enumerations](#)
- [PHP Mapping for Structures](#)
- [PHP Mapping for Sequences](#)
- [PHP Mapping for Dictionaries](#)
- [PHP Mapping for Exceptions](#)