

## **KA9001: Dunder Functions**

Problem Domains:	Advanced Programming Terms
Topic Summary:	Class Members
Prerequisites:	Python 1000 & 2000 or Equivalent
Related Code:	KA9001.py
Related Topics:	KA9005, KA9006, KA9007, KA9008 KA2002, KA2003, KA2004
Version:	1.0 - ROUGH DRAFT

### **Question**

In Python, a "Dunder Function" is:

- (1) A function that should work, but does not.
- (2) Unsupported code describing a proposed Python enhancement (PEP.)
- (3) A function that has an undocumented feature.
- (4) Any class member having two underscores before and after a function name.
- (5) None of the above.

### **Answer**

The correct answer is (4).

The term 'dunder' is short for "double underscore." The term is used to refer to any class member having "double underscores" before and after a name.

In Python, a "dunder function" is a framework-reserved class

```
method ("member function.")
```

## **Nagy' s Notes**

Dunder functions are used as "Magic" or "Meta" methods. Dunders are used to perform definitive reactions in response to Pythonic operations.

Conforming Python implementations define over 90 "dunder functions." Only a tiny subset are present by default in Python's "object" class.

Examples of common "dunder operations" include `__str__(self)`, `__repr__(self)`, and `__call__(self)`.

Run the "Related Code" to list all default members for your implementation's **object** class.