

# Implementing Code Reuse Using Functions in Python

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# Overview

**Functions for code re-use**

**Built-in vs. user-defined functions**

**Defining functions**

**Invoking functions**

**Input arguments**

**Return values**

**Positional and keyword arguments,  
default values**

**Functions as first class objects**

# Demo

**Defining and invoking custom functions**

**Specifying input arguments to functions and return values from functions**

# Demo

**Reassigning and modifying variables  
within a function**

# Demo

**Invoking functions using keyword arguments**

**Defining functions with default values**

Demo

**Working with functions as first-class  
citizens in Python**

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