

# COSC2429 Intro to Programming

## Week 10 – Glossary

### call graph

A graph consisting of nodes which represent function frames (or invocations), and directed edges (lines with arrows) showing which frames gave rise to other frames.

### dictionary

A collection of key-value pairs that maps from keys to values. The keys can be any immutable type, and the values can be any type.

### key

A data item that is *mapped to* a value in a dictionary. Keys are used to look up values in a dictionary.

### key-value pair

One of the pairs of items in a dictionary. Values are looked up in a dictionary by key.

### mapping type

A mapping type is a data type comprised of a collection of keys and associated values. Python's only built-in mapping type is the dictionary. Dictionaries implement the [associative array](#) abstract data type.

### memo

Temporary storage of pre-computed values to avoid duplicating the same computation.