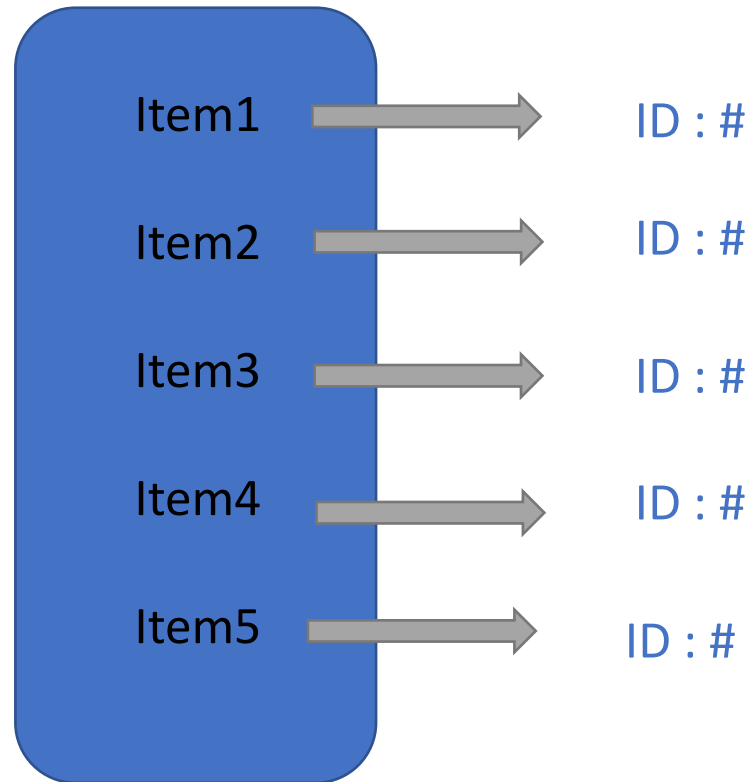


Data structures

Collections

Collection_name



- Collection of data values
- Stored under the same variable name
- Each item has an ID
- We access an element by referencing the collection name and the ID: **Collection_name [ID]**
- Various types of collections

type 1: List

Pets

Dog	→	index : 0
Cat	→	index : 1
Bird	→	index : 2
Rabbit	→	index : 3
Fish	→	index : 4

Grades

78	→	index : 0
96	→	index : 1
92	→	index : 2
84	→	index : 3
89	→	index : 4

Pets [0] -> Dog

Pets [3] -> Rabbit

Grades [2] -> 92

Grades [3] -> 84

type 2: Dictionary

Student

Key: value

Name: Bob

Age: 36

Weight: 166

GPA: 3.2

Student ["Age"] -> 36

Student ["Weight"] -> 166