

# Chapter I

Paul Snopov

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# 1 Sets

## 1.1 Naive Set Theory

Set - 'Collection of objects'. A set is determined by the **elements** it contains.  $A := \{1, 2, 3\}$

Multiset - a set, in which the elements are allowed to appear 'with multiplicity'.  $B := \{1, 2, 2, 3\}$

Singleton - set, consisting of 1 element.  $C := \{2\}$

A few famous sets are: