







# Differences between Lists, Tuples, and Sets

Feature	List	Tuple	Set
Syntax	[ ]	( )	{ }
Ordered	Yes	Yes	 No
Indexed	Yes	Yes	 No
Mutable	 Yes (can change)	 No (immutable)	 Yes
Duplicates Allowed	Yes	Yes	 No
Data Types	Can be mixed	Can be mixed	Can be mixed
Speed	Moderate	Faster than list	Fast (for membership test)
Use Case	General-purpose data	Fixed data	Unique items
Memory Usage	More	Less	Moderate