

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