# Python Data Stovetures

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- \* Tuple 1
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dit: Ordered, nutable collection of Ptem ( to be stored

### key Operations

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## Mote Cimportent Porns)

- dets are motable (can be modified after creetim)

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- lest's maintain injustion corder
- ) Lists can contain items of different types
  - Lists can contain duplicate elements

## Tuples

\* Ordered, immutable collections of items

#### Important Pointe

- \* Tuples are immutable (cannot be modified after creation)
- to Tuples maintain insertion order
- Shor rolled to Tuples can contain items of different types
- + Tuples can contain dipolicate dements
- Toples are typically faction than 19sts
- Tuples can be used as dictionary keys (1ist cannot)

#### Important Points

- \* Sets are avoidated (element) have no Inder)
- se sets only contain unique elements (duplicates are automatically removed)
- + Sets an only Contain hashable objects
- + sets are mutable
- sets are highly optimized for membership testing, unions, intersections

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