Python Variables and Collections

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 Variables are containers for sto 	ning data valu	es.
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Example:

```
x = 5 # integer
name = "Alice" # string
```

2. Data Types:

- int: Represents integers.
- float: Represents decimal numbers.
- str: Represents text (string).
- bool: Represents Boolean values (True/False).

3. Lists:

- Lists are ordered and mutable collections.

Example:

- 4. Tuples:
- Tuples are ordered but immutable collections.

Example:

- 5. Sets:
- Sets are unordered collections with no duplicate elements.

Example:

6. Dictionaries:

- Dictionaries are collections of key-value pairs.

Example:

```
my_dict = {"name": "Alice", "age": 25}
```

7. Creating Variables:

- Variables can be created by simply assigning a value to them.

Example: