

## Summary

You have reached the end of this topic. In this topic, you learned how to:

- Distinguish between different data types.
- Assign a value to a variable.
- Use recommended conventions for naming variables.

You also had a chance to practice some code using the Code Challenge. Here is the ideal solution for the code challenge.

### Problem Statement

Verify the data type for each of the objects given below using the `type()` function.

55.50

6+4j

"hello"

[1,2,3,4]

((1,2,3,4))

{1:"one", 2:"two", 3:"three"}

### Ideal Solution

```
>>> type(55.50)
```

```
<class 'float'>
```

```
>>> type(6+4j)
```

```
<class 'complex'>
```

```
>>> type("hello")
```

```
<class 'str'>
```

```
>>> type([1,2,3,4])
```

```
<class 'list'>
```

```
>>> type((1,2,3,4))
```

```
<class 'tuple'>
```

```
>>> type({1:"one", 2:"two", 3:"three"})
```

```
<class 'dict'>
```