

# Python Mapping for Dictionaries



Here is the definition of our [EmployeeMap](#) once more:

## Slice

```
dictionary<long, Employee> EmployeeMap;
```

As for [sequences](#), the Python mapping does not create a separate named type for this definition. Instead, *all* dictionaries are simply instances of Python's dictionary type. For example:

## Python

```
em = {}

e = Employee()
e.number = 31
e.firstName = "James"
e.lastName = "Gosling"

em[e.number] = e
```

The Ice run time validates the elements of a dictionary to ensure that they are compatible with the declared type; a `ValueError` exception is raised if an incompatible type is encountered.

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## See Also

- [Dictionaries](#)
- [Python Mapping for Identifiers](#)
- [Python Mapping for Modules](#)
- [Python Mapping for Built-In Types](#)
- [Python Mapping for Enumerations](#)
- [Python Mapping for Structures](#)
- [Python Mapping for Sequences](#)
- [Python Mapping for Constants](#)
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