Solution Review: Return Key With a Maximum Value

This lesson will explain how to find a key with a maximum value.

```
we'll cover the following ^
• Solution: Use max() Function
```

Solution: Use max() Function

- Create a list containing values and another list containing keys.
- Get the maximum index of values using the max() built-in function. Then, using key[value.index(max(value))], get the key corresponding to the maximum value.

The following python code illustrates the concept.

```
def oldestStudent(ages):
    value = list(ages.values())
    key = list(ages.keys())
    return key[value.index(max(value))]

ages = {
        "Peter": 10,
        "Isabel": 11,
        "Anna": 9,
        "Thomas": 10,
        "Bob": 10,
        "Joseph": 11,
        "Maria": 12,
        "Gabriel": 10,
    }
    print(oldestStudent(ages))
```

Let's move on to the next problem.