

## Topic: Custom Classes in Python

**Description:** You are tasked with creating a Rectangle class with the following requirements:

1. An instance of the `Rectangle` class requires `length:int` and `width:int` to be initialized.
2. We can iterate over an instance of the `Rectangle` class
3. When an instance of the `Rectangle` class is iterated over, we first get its length in the format: `{'length': <VALUE_OF_LENGTH>}` followed by the width `{width: <VALUE_OF_WIDTH>}`

**Program:**

```
class Rectangle:
    def __init__(self, length: int, width: int):
        self.length = length
        self.width = width

    def __iter__(self):
        yield {'length': self.length}
        yield {'width': self.width}

rect = Rectangle(10, 5)

for dimension in rect:
    print(dimension)
```

**Output:**

```
{'length': 10}
{'width': 5}
```