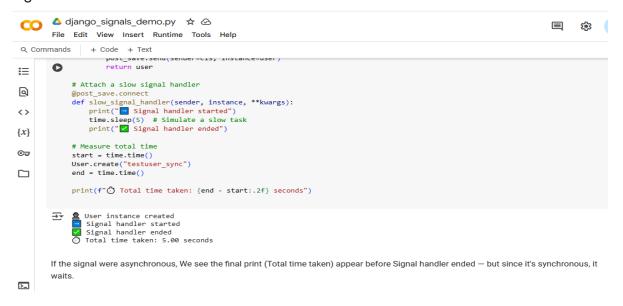
TOPIC: Django Signal

Question 1: By default are Django signals executed synchronously or asynchronously?

✓ Answer: Yes, Django signals are synchronous by default. That means the signal handler runs immediately when the signal is sent, and the main function waits for the signal handler to finish.



Question 2: Do django signals run in the same thread as the caller?

≪Answer: Yes, by default Django signals run in the same thread as the function that triggered the signal.



3rd question explanation and logic below

Question 3: By default do django signals run in the same database transaction as the caller?

Answer: Yes, by default Django signals are executed inside the same database transaction as the operation that triggered them. So if the transaction is rolled back, any changes made in the signal handler will also be rolled back.



Topic: Custom Classes in Python

Rectangle.py

```
🔼 rectangle_class.py 🛮 🌣
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詿
                def __iter__(self):
                    yield {'length': self.length}
Q
                    yield {'width': self.width}
            # Test the class with example values
<>
                __name__ == "__main__":
                rect = Rectangle(10, 5)
\{x\}
                for value in rect:
©<del></del>
                    print(value)
→ {'length': 10}
            {'width': 5}
```