LAPORAN PRAKTIKUM

PEMROGRAMAN BERORIENTASI OBJEK LANJUT

2023

Prepared By:

Umar Faqih

R2(B)

210511066

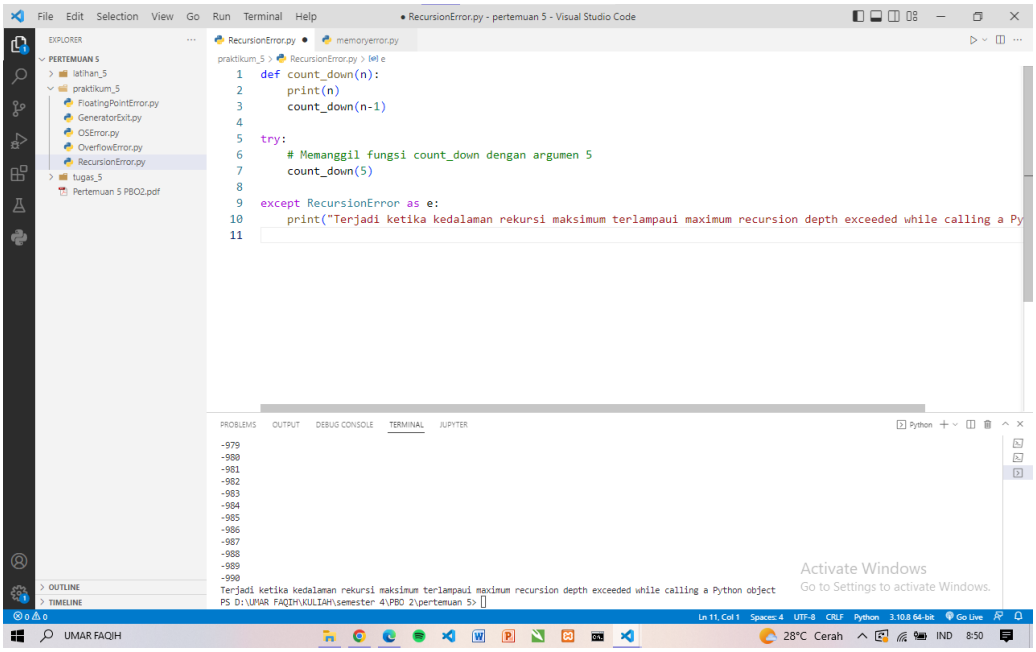
Tugas Praktikum 5 :

Berikan masing-masing 1 contoh Exception Handling dengan contoh yang berbeda dari contoh yang sudah diberikan. Jawaban diupload ke github masing-masing di folder: praktikum5

1. RecursionError

```
def count_down(n):
    print(n)
    count_down(n-1)

try:
    # Memanggil fungsi count_down dengan argumen 5
    count_down(5)

except RecursionError as e:
    print("Terjadi ketika kedalaman rekursi maksimum terlampaui maximum recursion depth exceeded while calling a Python object")
```

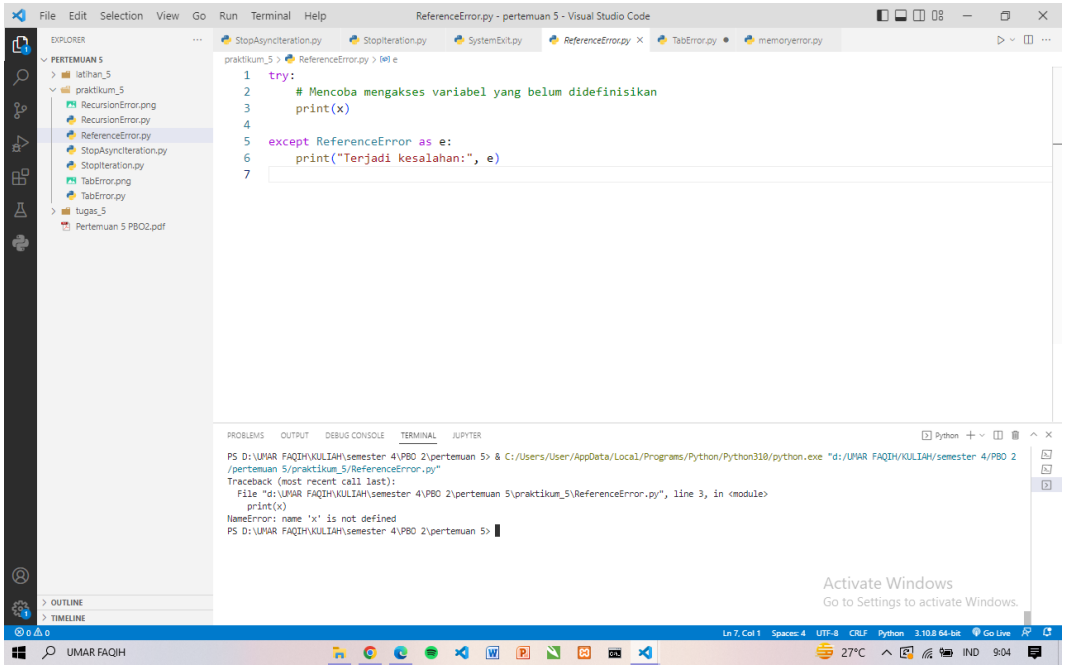
Hasil :



2. ReferenceError

```
try:
    # Mencoba mengakses variabel yang belum
didefinisikan
    print(x)

except ReferenceError as e:
    print("Terjadi kesalahan:", e)
```

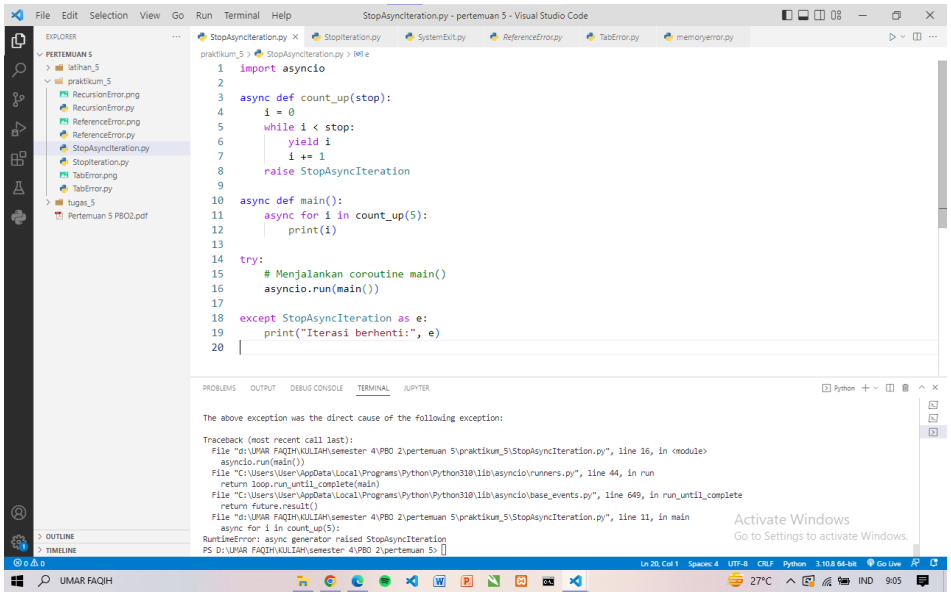
Hasil :



3. StopAsyncIteration

```python
import asyncio

async def count_up(stop):
    i = 0
    while i < stop:
        yield i
        i += 1
    raise StopAsyncIteration

async def main():
    async for i in count_up(5):
        print(i)

try:
    # Menjalankan coroutine main()
    asyncio.run(main())

except StopAsyncIteration as e:
    print("Iterasi berhenti:", e)
```

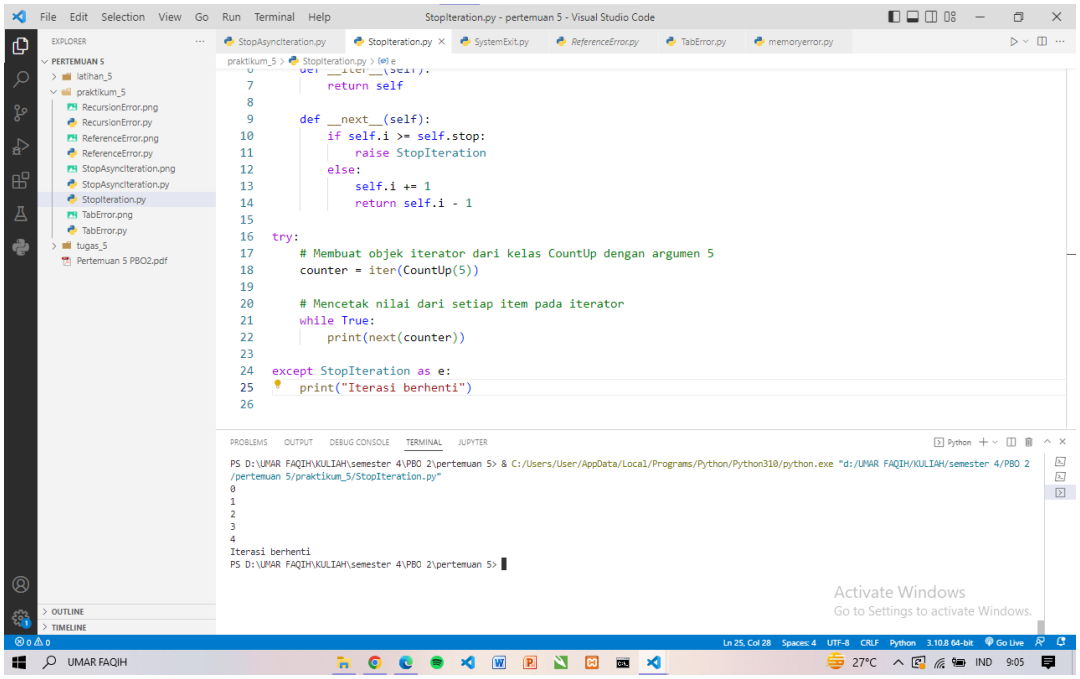
Hasil :



4. StopIteration

```
class CountUp:
    def __init__(self, stop):
        self.i = 0
        self.stop = stop

    def __iter__(self):
        return self

    def __next__(self):
        if self.i >= self.stop:
            raise StopIteration
        else:
            self.i += 1
            return self.i - 1

try:
    # Membuat objek iterator dari kelas CountUp dengan
argumen 5
    counter = iter(CountUp(5))

    # Mencetak nilai dari setiap item pada iterator
    while True:
        print(next(counter))

except StopIteration as e:
    print("Iterasi berhenti")
```

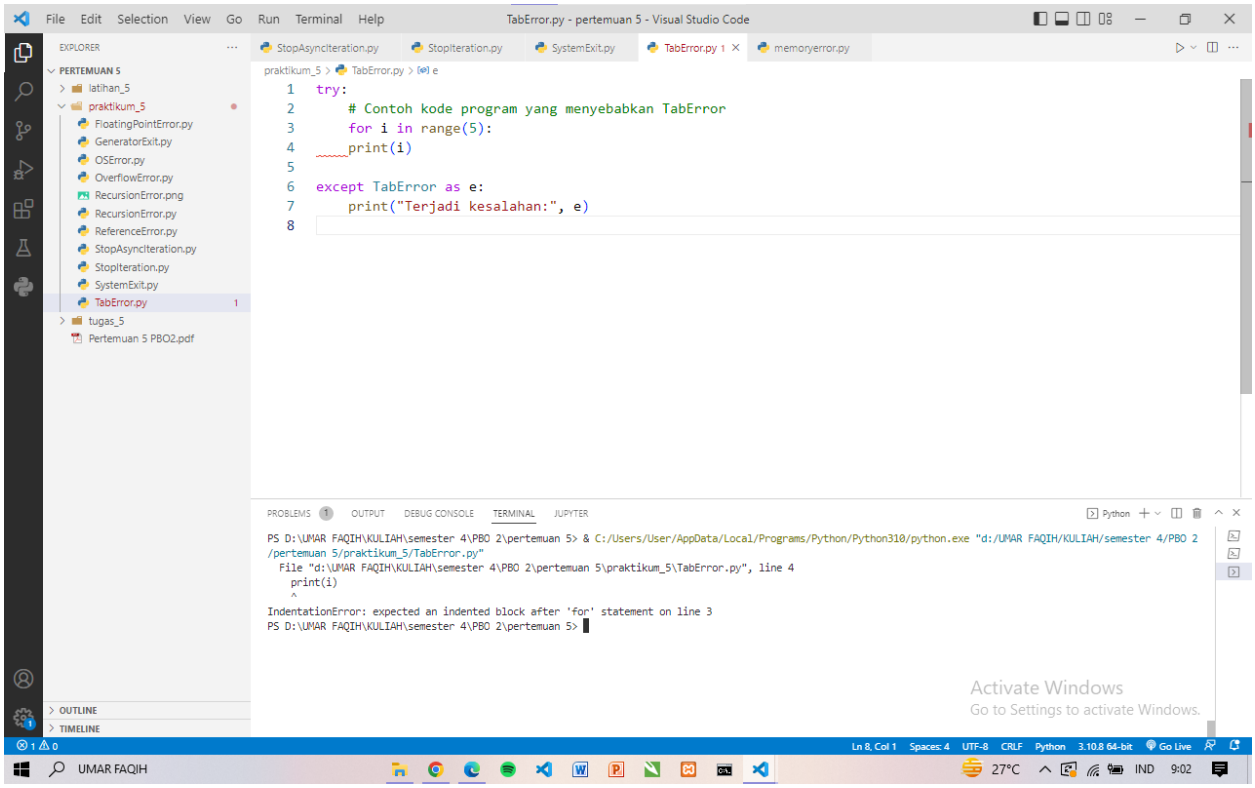
Hasil :



5. StopIteration

```
try:
    # Contoh kode program yang menyebabkan TabError
    for i in range(5):
        print(i)

except TabError as e:
    print("Terjadi kesalahan:", e)
```

Hasil :



Link github < https://github.com/Umar-Faqih/PBO-2/tree/main/Praktikum >