



# Student's Mission

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## 1. Create the repository from the script

```
chmod +x E3_repository.sh
./E3_repository.sh
```

## 2. Investigate the branch structure:

```
git branch -a
```

## 3. Find where the missing files are:

```
git checkout PRIME
ls # prime_number.py should be here
```

```
git checkout FIBO
ls # fibonacci_number.py should be here
```

HINT: If the file is not in the current commit maybe it was deleted in a previous commit. Look through the history and look for suspicious changes.

## 4. Merge the missing files into main:

No hints for this one go figure this one out yourself 😊

## 5. Fix `main.py` to integrate both files:

Open `main.py` and modify it to include both functions:

```
import csv
from prime_number import get_prime_numbers
from fibonacci_number import get_fibonacci_numbers

# Read numbers from CSV
with open("numbers.csv", newline='') as csvfile:
    numbers = [int(num.strip()) for num in csvfile.read().split(",")]

primes = get_prime_numbers(numbers)
fibonacci = get_fibonacci_numbers(numbers)
```

```
print("Prime Numbers:", primes)
print("Fibonacci Numbers:", fibonacci)
```

6. Commit and push the final solution:

You can do this yourself 😊



## What Students Learn

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- ✓ Branch navigation (`git checkout`, `git branch -a`)
- ✓ Finding missing files in Git branches
- ✓ Merging branches properly (`git merge`)
- ✓ Integrating functions from different branches into a working `main.py`
- ✓ Real-world Git teamwork problem solving