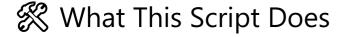
Exercise 2.1.md 2025-04-02



- Creates a repository with separate branches for each functionality
- ✓ PRIME branch contains only prime\_number.py
- ✓ FIBO branch contains only fibonacci\_number.py
- ✓ main branch contains only main.py but lacks the required imports
- Simulates "team mistakes" by logging missing files in main



## Student's Mission

1. Create the repository from the script

```
chmod +x E2_repository.sh
./E2_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
```

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
```

Exercise 2.1.md 2025-04-02

```
# 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

- ✓ 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