## Homework 7

**Question 1.** Solve any fourteen problems over at https://projecteuler.net.

- 1) Your program should take no more than a minute to solve any given problem. You may use either Java or Python for this. You are only allowed to use the standard libraries in either language.
- 2) All your programs must compile and run from the command line by either using javac and java commands, e. g.,

```
javac Tashfeen1.java
java Tashfeen1
Or,
python3 Tashfeen1.py
```

- 3) You should only have one file for each problem. Name each file starting with your last name followed by the problem number. E. g., if I solved the first Project Euler problem, I'll name it Tashfeen1. java.
- 4) Your program should print nothing but the number that solves the problem.
- 5) Include your answer as a comment at the top of each source file. See listing 1 for an example.

```
// 233168
   public class Tashfeen1 {
        public static void main(String[] args) {
3
            int sum = 0;
            for (int i = 0; i < 1000; i++)
5
                if (i % 3 == 0 || i % 5 == 0)
6
                    sum += i;
7
            System.out.println(sum);
        }
9
10
   }
```

LISTING 1. A solution to the Project Euler's first problem as an example.

## 1.1. Submission Instructions

Please *replace the professor's last name* with yours wherever appropriate. Setup a GitHub repository by the name f23csci2114hw7tashfeen <sup>1</sup>. It should contain,

```
f23csci2114hw7tashfeen
```

```
scTashfeen.png
Tashfeen1. java
Tashfeen2. java
Tashfeen3. java
Tashfeen4. java
Tashfeen5. java
Tashfeen6. java
Tashfeen7. java
Tashfeen8. java
Tashfeen9. java
Tashfeen10.java
Tashfeen11. java
Tashfeen12.java
Tashfeen13.java
Tashfeen14. java
```

<sup>&</sup>lt;sup>1</sup>E. g., replace the professor's last name by yours here.

Submit all the files to the online classroom and comment a link to your Github repository. The file called scTashfeen.png is a screenshot showing all the problems you solved on Project Euler and your username. See figure 1 for example.

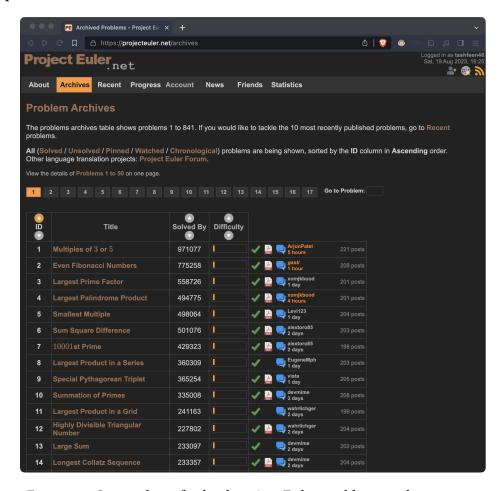


FIGURE 1. Screenshot of solved project Euler problems and username.

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