Each of us imported the files differently, but our structure for making the plots was the same.

Name	Reading files	Writing files	Creating plots
Ankur Raghavan	4	4	4
Arjun Narayanan	5	5	5
Grant Stevenson	2	2	3.5
Ramon Randolph	4	2	3

We chose to submit this code because it was the most readable and could be easily understood by everyone.

Part A:

1. How would you open a file name test.txt to read only? To write only? To read and write?

   - With open("test.txt", "r") as integer: is how to open to read

   - With open("test.txt", "w") as integer: is how to write only

   - With open("test.txt", "r+") as integer: is how to read and write

2. What is the general command structure for writing to a file?

   - With open("file_name", "w") as variable

3. How do you output a string to a file? An integer? A real number with three decimal points?

   - With open("test.txt", "w") as f:

     f.write(str(""))

   - With open("test.txt", "w") as f:

     f.write(int(""))

   - With open("test.txt", "w") as f:

     f.write(int(f"".3f))

```
start
```

Input last name

Input first name

Input age in whole years

Input days since your last birthday

Convert years to days and add to days

Find the exact number of years

Convert days to seconds

Save outputs to py4_team_2_11.txt

```
end
```

```
        ┌─────────────┐
        │    Start    │
        └─────────────┘
               │
               ▼
      ╱───────────────────╲
     ╱   Input Name,        ╲
     ╲   path length,       ╱
      ╲  and coefficient   ╱
       ╲──────────────────╱
               │
               ▼
      ╱───────────────────╲
     ╱  Repeatedly input the╲
     ╲   absorbency values  ╱
      ╲───────────────────╱
               │
               ▼
      ┌───────────────────┐
      │ Calculate the     │
      │ concentration     │
      │ for each value    │
      └───────────────────┘
               │
               ▼
      ╱───────────────────╲
     ╱   Print the values   ╲
      ╲───────────────────╱
               │
               ▼
        ┌─────────────┐
        │     End     │
        └─────────────┘
```