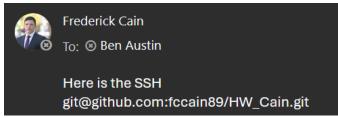
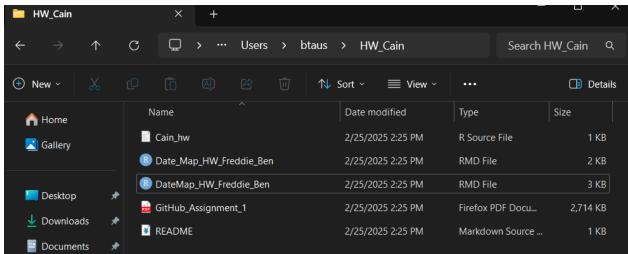
Downloaded the work done by Frederick via SSH





We split the work between the two of us. Frederick did problems 1&2, I did problems 3&4.

```
# Load libraries
          (lubridate)
          (tibble)
# 1) Generate a sequence of dates from January 1, 2015 to December 31, 2025, spaced by every two months. Extract the year, quarter, and ISO week number for each date.
                                                                                                                    杏
date_seq <- seq(ymd("2015-01-01"), ymd("2025-12-31"), by = "2 months")
date_info <- tibble(</pre>
  date = date_seq,
year = year(date_seq),
  quarter = quarter(date_seq),
iso_week = isoweek(date_seq)
print(head(date_info))
# 2) Given the following dates, compute the difference in months and weeks between each
sample_dates <- c("2018-03-15", "2020-07-20", "2023-01-10", "2025-09-05")
sample_dates <- ymd(c("2018-03-15", "2020-07-20", "2023-01-10", "2025-09-05"))</pre>
month_diffs <- diff(sample_dates) / dmonths(1) # Convert to months week_diffs <- diff(sample_dates) / dweeks(1) # Convert to weeks
date_diffs <- tibble(
  start_date = sample_dates[-length(sample_dates)],</pre>
  end_date = sample_dates[-1],
months_diff = round(month_diffs, 2),
weeks_diff = round(week_diffs, 2)
print(date_diffs)
```

I uploaded Frederick's work to my own repo

```
otaus@hal-5 MINGW64 ~
$ cd hw_date_map_Ben_Frederick
btaus@hal-5 MINGW64 ~/hw_date_map_Ben_Frederick (main)
$ git add Date_Map_HW_Freddie_Ben.Rmd
btaus@hal-5 MINGW64 ~/hw_date_map_Ben_Frederick (main)
$ git commit -m "Frederick's solutions for problems 1&2"
[main (root-commit) 0f567e4] Frederick's solutions for problems 1&2
 1 file changed, 56 insertions(+)
 create mode 100644 Date_Map_HW_Freddie_Ben.Rmd
btaus@hal-5 MINGW64 ~/hw_date_map_Ben_Frederick (main)
$ git push
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Delta compression using up to 16 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 942 bytes | 314.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To github.com:benaustin314/hw_date_map_Ben_Frederick.git
                       main -> main
   [new branch]
```

Then I solved problems 3&4 and pushed them individually.

