# CS361 - Assignment 2
# Microservices warm-up

**The following document is a helper to get you started with assignment-2**

Step 1 - Create txt file called image-service.txt
Step 2 - Create folder cs361 and save images with names as 1.jpg, 2.jpg, 3.jpg etc….

Step 3 - Create Prng,py
**Prng.py**

While true:
    Sleep for 1 second.
    Open file assignment2.txt
    Read file
    If line in file is "run":
        Generate random number
        Write random number in to image-service.txt
    Close file

Step 4 - Create imgsrv.py
**Imgsrv.py**

While true:
    Sleep for 1 second
    Open file image-service.txt
    Read file
    typecast data in image-service.txt to integer
    Use Mod operator to mod integer with number of images
    Write path (ex : /users/cs361-images/{number}.jpg) to image-service.txt
    Close file

Step 5 - Create Ui.py
**Ui.py**

While true:
       //1 to generate new image or 2 to exit
       Request for input
       If input == 1:
              Open assignment.txt
              Write "run" in image-service.txt
              Sleep for 5 seconds
              Read and output image-service.txt
              Close file.
       else if input ==2
              return
       else
              print ("unknown option")


Step 6 - Run all three programs in separate terminal instances.


**Note**

- If you have used a different method to achieve the same result it's also acceptable - this is just an example.
- You can use any programming language.