Create 5 files of size 1GB, 2GB, 3GB, 4GB and 5GB; file contains multiple lines of random strings.

Import os

Import random

Import string

Def generate\_random\_string(length):

Return ‘’.join(random.choice(string.ascii\_letters) for \_ in range(length))

Def generate\_file(file\_path, file\_size):

With open(file\_path, ‘w’) as file:

While os.path.getsize(file\_path) < file\_size \* 1024 \* 1024 \* 1024:

Random\_string = generate\_random\_string(random.randint(100, 200))

File.write(random\_string + ‘\n’)

If \_\_name\_\_ == “\_\_main\_\_”:

File\_sizes = [1, 2, 3, 4, 5] # in GB

For size in file\_sizes:

File\_path = f”random\_strings\_{size}GB.txt”

Generate\_file(file\_path, size)

Print(f”File ‘{file\_path}’ generated with size {size} GB.”)