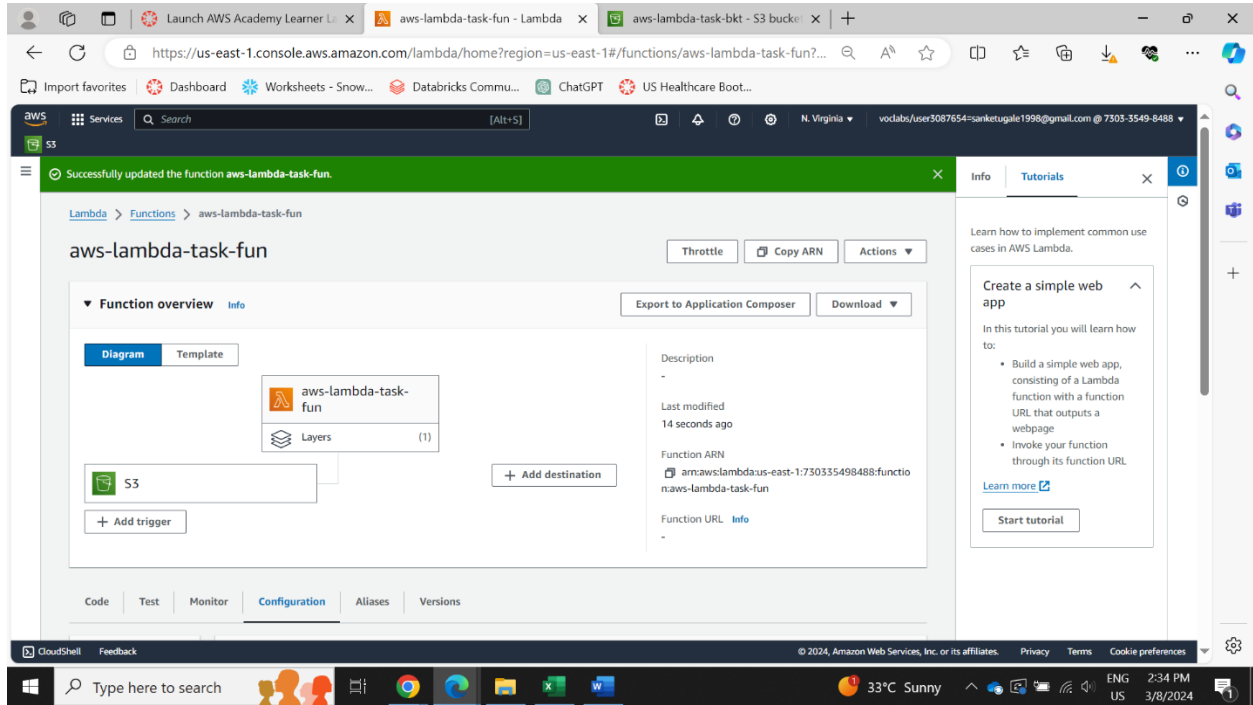


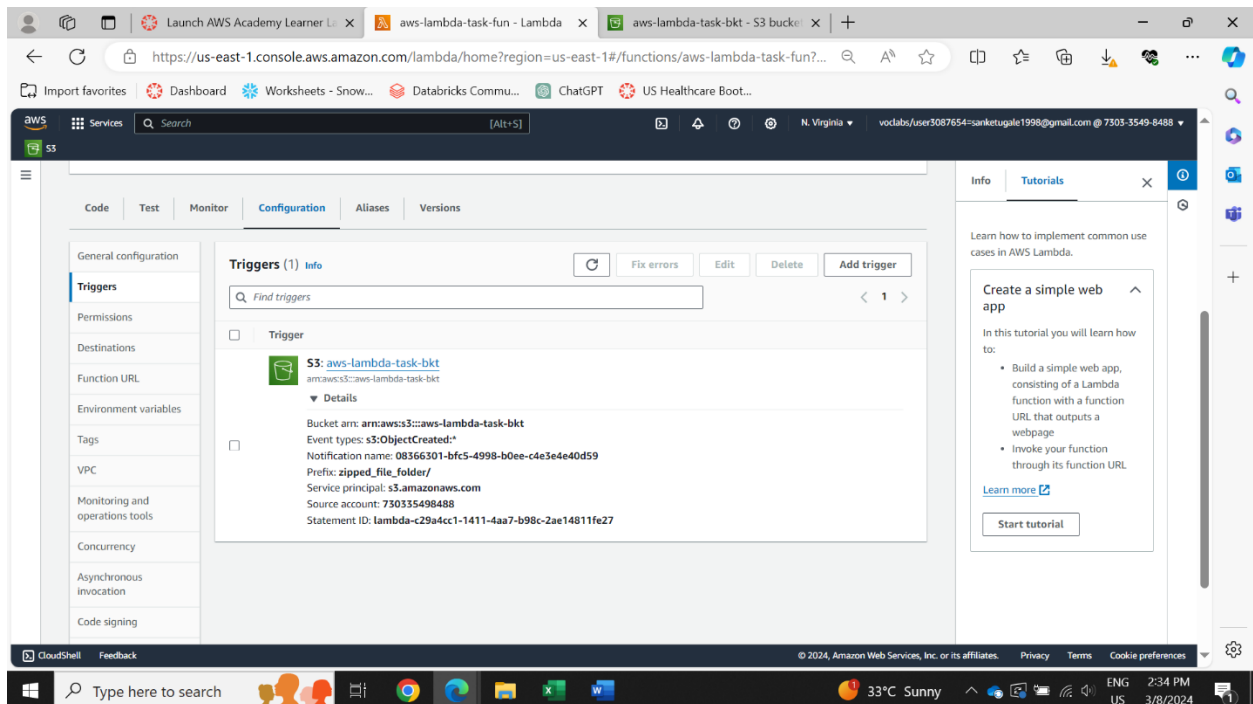
# AWS Lambda Task

STEP : Create a S3 Bucket and a Lambda Function

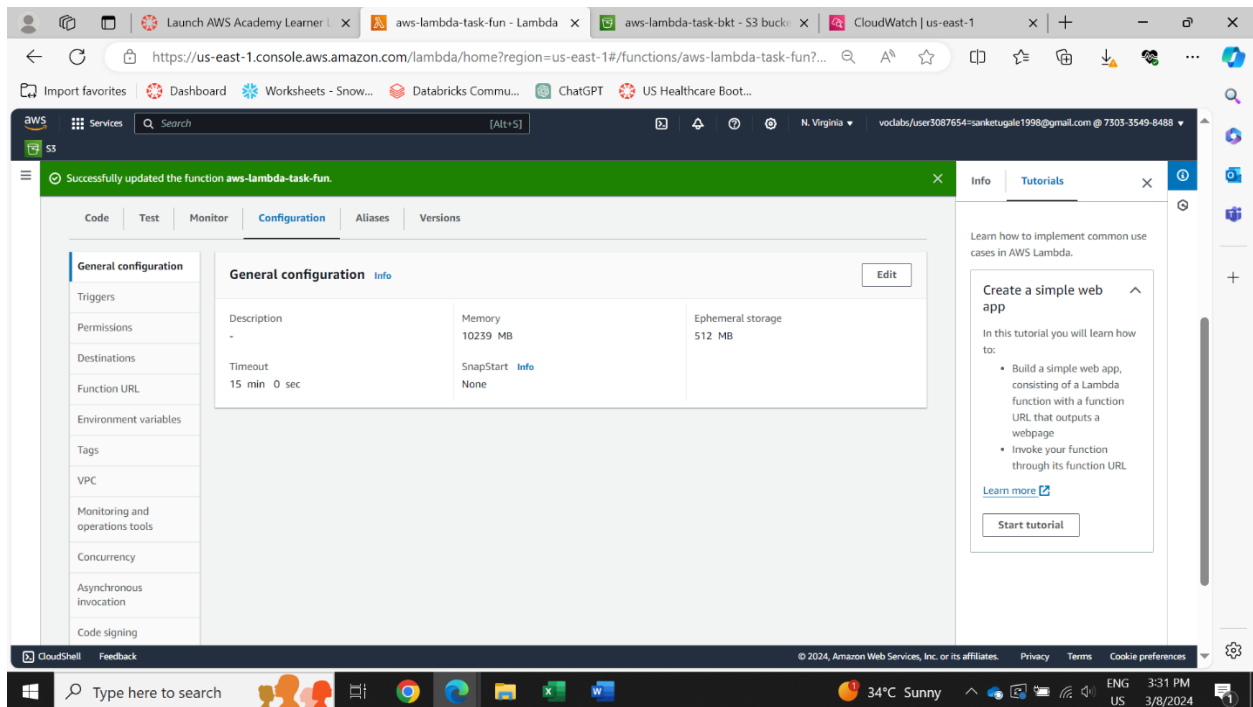
1) In S3 bucket create 3 folders source,Header, Target



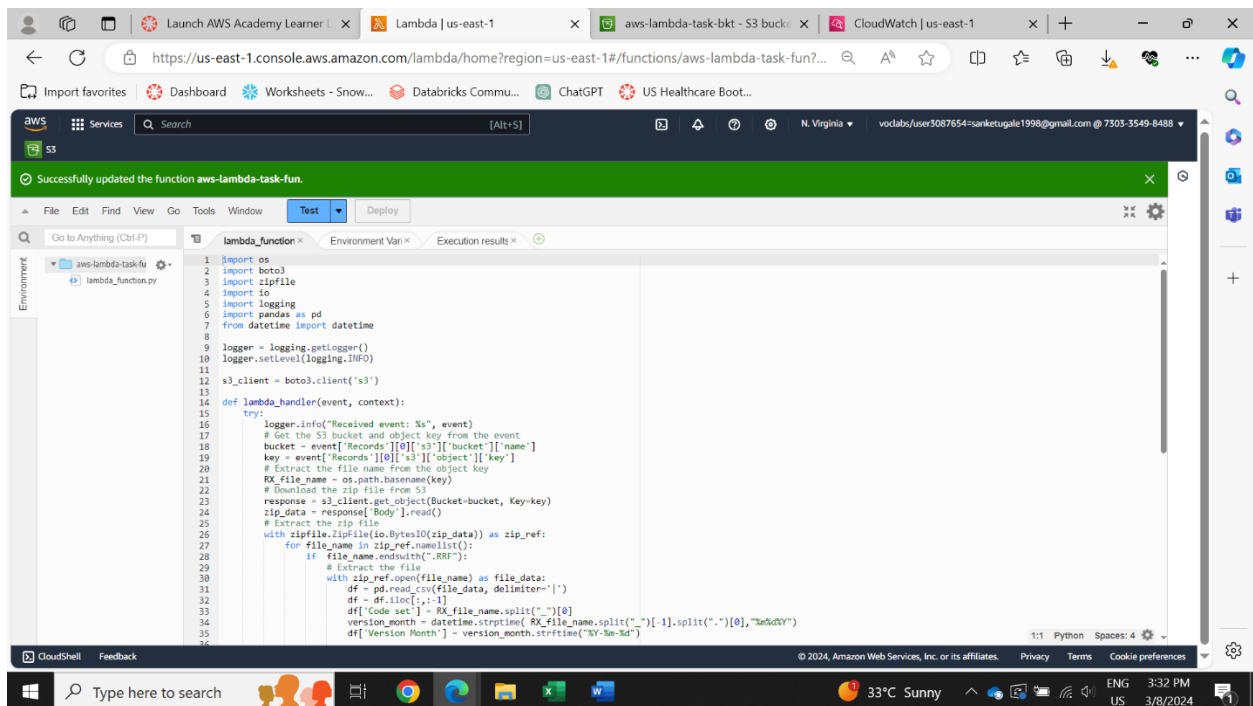
STEP 2 : Create a trigger which will invoke when the (.rpf) file is inserted into source table in the S3 bucket.

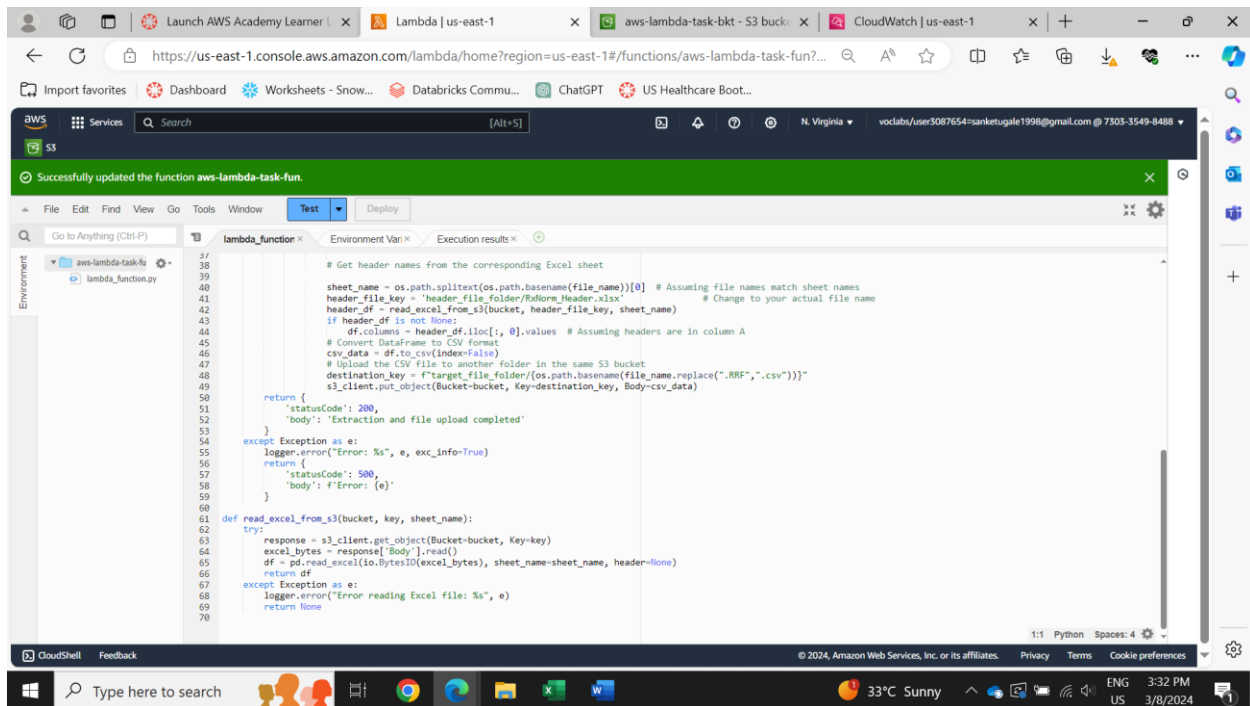


## STEP : Update the configuration of the lamda Function

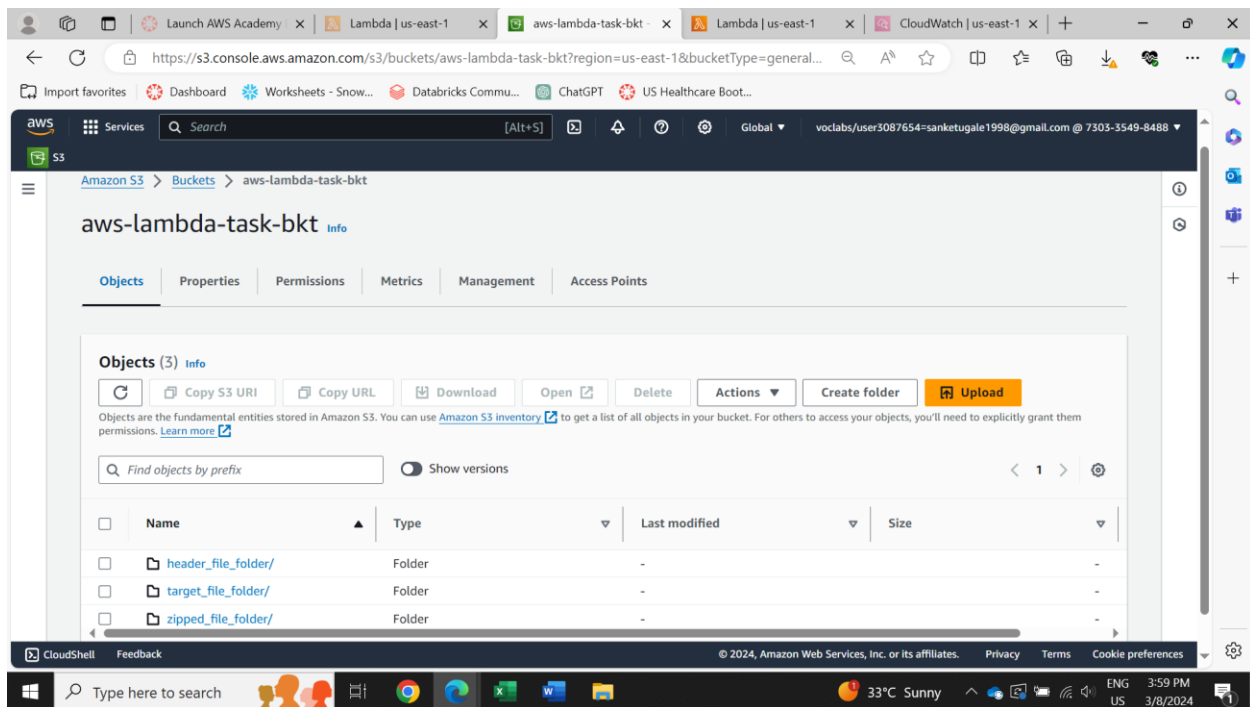


## Lambda Handler Code





## Bucket with 3 folders



ZIP file in the source folder.

Amazon S3 > Buckets > aws-lambda-task-bkt > zipped\_file\_folder/

zipped\_file\_folder/ [Copy S3 URI](#)

**Objects (1)** Info

[Copy S3 URI](#) [Copy URL](#) [Download](#) [Open](#) [Delete](#) [Actions](#) [Create folder](#) [Upload](#)

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)

☐ Show versions < 1 > ⚙

<input type="checkbox"/>	Name	Type	Last modified	Size	Storage class
<input type="checkbox"/>	<a href="#">RxNorm_full_02052024.zip</a>	zip	March 8, 2024, 15:12:49 (UTC+05:30)	238.5 MB	Standard

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Excel File with the headers in the header folder.

Amazon S3 > Buckets > aws-lambda-task-bkt > header\_file\_folder/

header\_file\_folder/ [Copy S3 URI](#)

**Objects (1)** Info

[Copy S3 URI](#) [Copy URL](#) [Download](#) [Open](#) [Delete](#) [Actions](#) [Create folder](#) [Upload](#)

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)

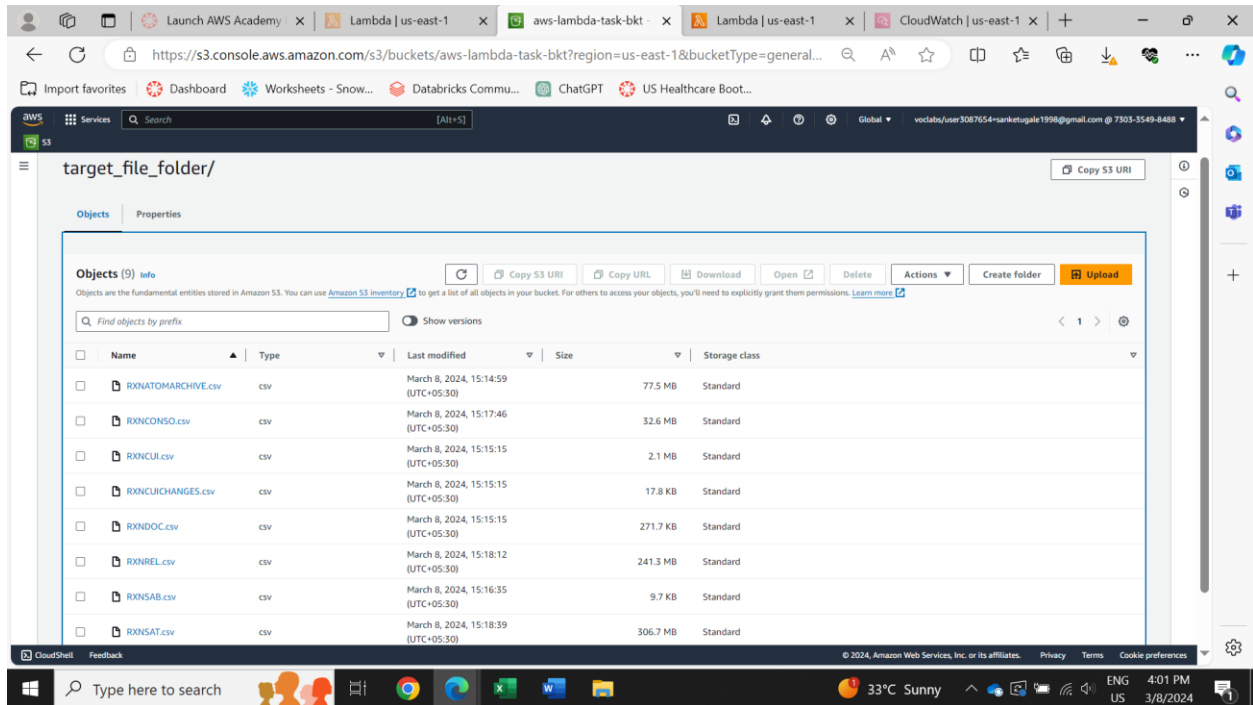
☐ Show versions < 1 > ⚙

<input type="checkbox"/>	Name	Type	Last modified	Size	Storage class
<input type="checkbox"/>	<a href="#">RxNorm_Header.xlsx</a>	xlsx	March 8, 2024, 15:10:21 (UTC+05:30)	24.7 KB	Standard

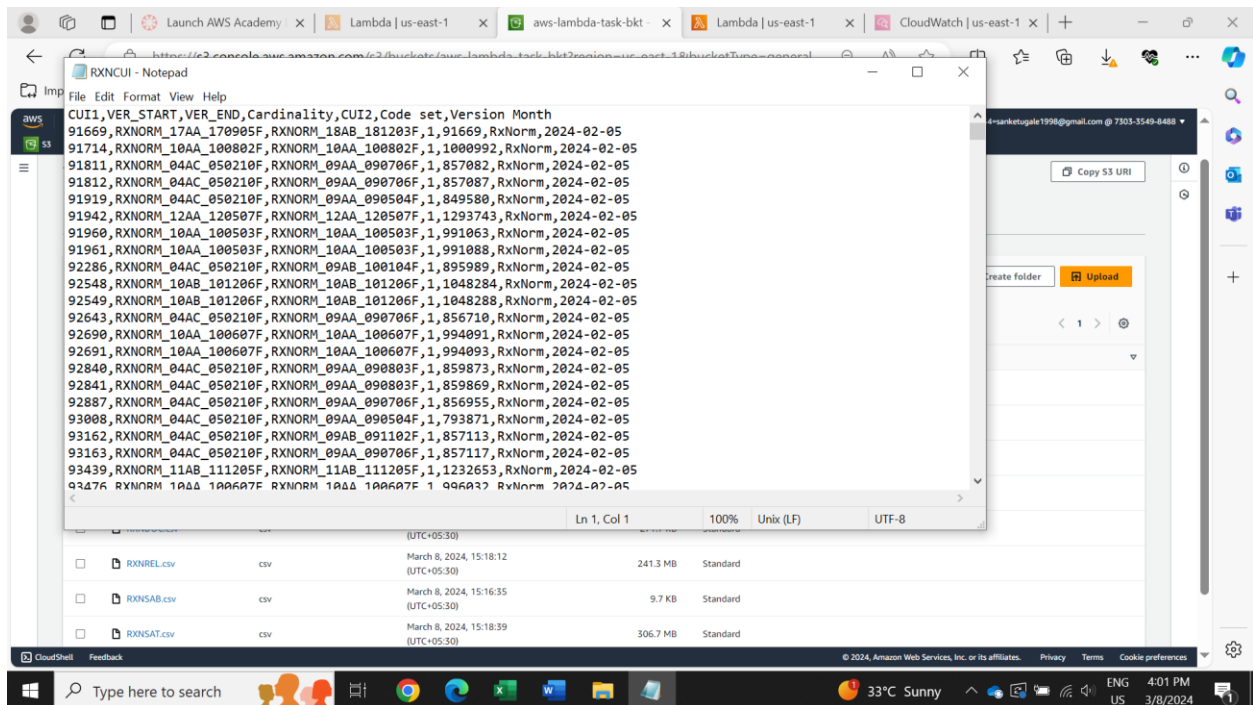
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## Processed Files in the Target folder.



## Processed File with headers and the Code set, Version month columns.



AutoSave On

RXNCUI

Office 7

File Home Insert Page Layout Formulas Data Review View Automate Help

Clipboard Font Alignment Number Styles Cells Editing Add-ins

POSSIBLE DATA LOSS Some features might be lost if you save this workbook in the comma-delimited (.csv) format. To preserve these features, save it in an Excel file format. Don't show again Save As...

A1

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	CUI1	VER_START	VER_END	Cardinality	CUI2	Code set	Version	Month								
2	91669	RXNORM_17AA_170905F	RXNORM_18AB_181203F	1	91669	RxNorm	2/5/2024									
3	91714	RXNORM_10AA_100802F	RXNORM_10AA_100802F	1	1000992	RxNorm	2/5/2024									
4	91811	RXNORM_04AC_050210F	RXNORM_09AA_090706F	1	857082	RxNorm	2/5/2024									
5	91812	RXNORM_04AC_050210F	RXNORM_09AA_090706F	1	857087	RxNorm	2/5/2024									
6	91919	RXNORM_04AC_050210F	RXNORM_09AA_090504F	1	849580	RxNorm	2/5/2024									
7	91942	RXNORM_12AA_120507F	RXNORM_12AA_120507F	1	1293743	RxNorm	2/5/2024									
8	91960	RXNORM_10AA_100503F	RXNORM_10AA_100503F	1	991063	RxNorm	2/5/2024									
9	91961	RXNORM_10AA_100503F	RXNORM_10AA_100503F	1	991088	RxNorm	2/5/2024									
10	92286	RXNORM_04AC_050210F	RXNORM_09AB_100104F	1	895989	RxNorm	2/5/2024									
11	92548	RXNORM_10AB_101206F	RXNORM_10AB_101206F	1	1048284	RxNorm	2/5/2024									
12	92549	RXNORM_10AB_101206F	RXNORM_10AB_101206F	1	1048288	RxNorm	2/5/2024									
13	92643	RXNORM_04AC_050210F	RXNORM_09AA_090706F	1	856710	RxNorm	2/5/2024									
14	92690	RXNORM_10AA_100607F	RXNORM_10AA_100607F	1	994091	RxNorm	2/5/2024									
15	92691	RXNORM_10AA_100607F	RXNORM_10AA_100607F	1	994093	RxNorm	2/5/2024									
16	92840	RXNORM_04AC_050210F	RXNORM_09AA_090803F	1	859873	RxNorm	2/5/2024									
17	92841	RXNORM_04AC_050210F	RXNORM_09AA_090803F	1	859869	RxNorm	2/5/2024									
18	92887	RXNORM_04AC_050210F	RXNORM_09AA_090706F	1	856955	RxNorm	2/5/2024									
19	93008	RXNORM_04AC_050210F	RXNORM_09AA_090504F	1	793871	RxNorm	2/5/2024									
20	93162	RXNORM_04AC_050210F	RXNORM_09AB_091102F	1	857113	RxNorm	2/5/2024									

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Average: 409600.1675 Count: 210322 Sum: 49225748133

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## Cloud Watch Logs

Launch AWS Academy

Lambda | us-east-1

aws-lambda-task-bkt

Lambda | us-east-1

CloudWatch | us-east-1

https://us-east-1.console.aws.amazon.com/cloudwatch/home?region=us-east-1#logsV2/log-groups/log-group...

Import favorites Dashboard Worksheets - Snow... Databricks Commu... ChatGPT US Healthcare Boot...

CloudWatch

Filter events

Timestamp Message

No older events at this moment. [Retry](#)

2024-03-08T15:14:47.156+05:30 INIT\_START Runtime Version: python:3.12.v20 Runtime Version ARN: arn:aws:lambda:us-east-1:runtime:82aea0bf37a44d68665730d559c81352fc95f2...

2024-03-08T15:14:49.843+05:30 [INFO] 2024-03-08T09:44:49.843Z Found credentials in environment variables.

2024-03-08T15:14:49.979+05:30 START RequestId: 4462c2b0-9cb3-4b04-9bdd-3ff9560dd04a Version: \$LATEST

2024-03-08T15:14:49.980+05:30 [INFO] 2024-03-08T09:44:49.980Z 4462c2b0-9cb3-4b04-9bdd-3ff9560dd04a Received event: {'Records': [{'eventVersion': '2.1', 'eventSource': ...

2024-03-08T15:15:02.488+05:30 /var/task/lambda\_function.py:31: DtypeWarning: Columns (9) have mixed types. Specify dtype option on import or set low\_memory=False.

2024-03-08T15:15:02.488+05:30 df = pd.read\_csv(file\_data, delimiter='|')

2024-03-08T15:15:24.023+05:30 /var/task/lambda\_function.py:31: DtypeWarning: Columns (7) have mixed types. Specify dtype option on import or set low\_memory=False.

2024-03-08T15:15:24.023+05:30 df = pd.read\_csv(file\_data, delimiter='|')

2024-03-08T15:16:45.453+05:30 /var/task/lambda\_function.py:31: DtypeWarning: Columns (6) have mixed types. Specify dtype option on import or set low\_memory=False.

2024-03-08T15:16:45.453+05:30 df = pd.read\_csv(file\_data, delimiter='|')

2024-03-08T15:18:17.597+05:30 /var/task/lambda\_function.py:31: DtypeWarning: Columns (6) have mixed types. Specify dtype option on import or set low\_memory=False.

2024-03-08T15:18:17.597+05:30 df = pd.read\_csv(file\_data, delimiter='|')

2024-03-08T15:18:41.085+05:30 END RequestId: 4462c2b0-9cb3-4b04-9bdd-3ff9560dd04a

2024-03-08T15:18:41.085+05:30 REPORT RequestId: 4462c2b0-9cb3-4b04-9bdd-3ff9560dd04a Duration: 231110.39 ms Billed Duration: 231111 ms Memory Size: 10239 MB Max Memory...

No newer events at this moment. [Auto retrying...](#) [Pause](#)

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