import boto3

import pandas as pd

from io import StringIO

#client and resource required to get and put object from s3

s3\_client = boto3.client('s3')

s3\_resource = boto3.resource('s3')

raw\_bucket\_name = 'snehaminiprojectrawbucket'

standard\_bucket\_name = 'snehaminiprojectstandardbucket'

buffer = StringIO()

def extract\_raw\_data\_from\_s3(key):

csv = s3\_client.get\_object(Bucket=raw\_bucket\_name, Key=key)

raw\_data\_frame = pd.read\_csv(csv['Body'], skip\_blank\_lines=True)

return raw\_data\_frame

def transform\_raw\_data(data):

transformed\_data = data

transformed\_data = transformed\_data.iloc[:, 0:4]

return transformed\_data

def Load\_transformed\_data\_to\_s3(data, key):

data.to\_csv(buffer)

s3\_resource.Object(standard\_bucket\_name, key).put(Body=buffer.getvalue())

def transformer(event, context):

file\_key = event['Records'][0]['s3']['object']['key']

raw\_data\_frame = extract\_raw\_data\_from\_s3(file\_key)

transformed\_data\_frame = transform\_raw\_data(raw\_data\_frame)

Load\_transformed\_data\_to\_s3(transformed\_data\_frame, file\_key)