▾ Gears and Parts Creation for Importing Data

```python
import os
import datetime
import wget
from zipfile import ZipFile
import pandas as pd
from sqlalchemy import create_engine


# Generating URL

import datetime

def getBSEBhav(x):
    m = x.strftime("%m")
    y = x.strftime("%y")
    d = x.strftime("%d")

    l = "https://www.bseindia.com/download/Bhavcopy/Equity/EQ{}{}{}_CSV.ZI

    return l


# importing URL data

import wget
try:
    filename = wget.download(url)
    print(filename)
except:
    pass




# DDownloading zip file using BSE url

def BSEBhav(x):
    a =  getBSEBhav(x)
    filename = wget.download(a)


#creating directories

def makemydir(whatever):
  try:
    os.makedirs(whatever)
  except OSError:
    pass
```

```python
#set directory
d = 'C:\\Users\\ajayd'

def create_BSE_folder(d):
    #creating Equity folder
    name = "Equity Data 2"
    makemydir(name)
    base_folder_add = d+"\\"+name
    os.chdir(base_folder_add)

    name = "BSE"
    makemydir(name)
    BSE_folder_add = base_folder_add+"\\"+name
    os.chdir(BSE_folder_add)

    name = "BSE_Zipped"
    makemydir(name)
    BSE_zip = BSE_folder_add + "\\"+name

    name = "BSE_Unzipped"
    makemydir(name)
    BSE_unzip = BSE_folder_add + "\\"+name

    return base_folder_add,BSE_folder_add,BSE_zip, BSE_unzip

# handling imported zip file

# importing required modules
from zipfile import ZipFile

file_add = "Address"
# specifying the zip file name
file_name = file_add


# Quick reponse function

def unzipping(Zip,Unzip):
    os.chdir(Zip)
    a = os.getcwd()
    l = list(os.listdir())
    l = [a+"\\"+s for s in l]

    for i in l:
        n = i
        with ZipFile(n, 'r') as zip:
            zip.printdir()
            print('Extracting all the files now...')
            zip.extractall(Unzip)
```

```
            zip.close()
            print('Done!')
```

▾ Putting it together

```
#set directory
d = 'C:\\Users\\ajayd'

from datetime import date, timedelta
edate = datetime.datetime(2020, 1, 19)    # end date
sdate = datetime.datetime(2019, 1, 19)    # start date

def get_BSEdata(d,sdate,edate):
    equity, BSE, Zip, Unzip = create_BSE_folder(d)

    # getting zip files
    os.chdir(Zip)
    delta = edate - sdate
    for i in range(delta.days + 1):
        day = sdate + timedelta(days=i)
        try:
            BSEBhav(day)
            print("{} Succefully imported.".format(day))
        except:
            print("data {} not available .".format(day))
            pass

    unzipping(Zip,Unzip)
    print("Done")
    return Zip, Unzip

Zip, Unzip = get_BSEdata(d,sdate,edate)
```

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data 2019-01-19 00:00:00 not available .
data 2019-01-20 00:00:00 not available .
2019-01-21 00:00:00 Succefully imported.
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2019-01-23 00:00:00 Succefully imported.
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data 2019-01-27 00:00:00 not available .
2019-01-28 00:00:00 Succefully imported.
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