In [1]:

```
body = client_a8264aeefadf496cb3cd5265520d0ec9.get_object(Bucket='forecastingsalesofstoreusingibmwa-donotdelete-p
# add missing __iter__ method, so pandas accepts body as file-like object
if not hasattr(body, "__iter__"): body.__iter__ = types.MethodType( __iter__, body )

df_data_0 = pd.read_excel(body)
df_data_0.head()
import os, types
import pandas as pd
from botocore.client import Config
import ibm_boto3

def __iter__(self): return 0

# @hidden_cell
# The following code accesses a file in your IBM Cloud Object Storage. It includes your credentials.
# You might want to remove those credentials before you share the notebook.

if os.environ.get('RUNTIME_ENV_LOCATION_TYPE') == 'external':
    endpoint_a8264aeefadf496cb3cd5265520d0ec9 = 'https://s3.us.cloud-object-storage.appdomain.cloud'
else:
    endpoint_a8264aeefadf496cb3cd5265520d0ec9 = 'https://s3.private.us.cloud-object-storage.appdomain.cloud'

client_a8264aeefadf496cb3cd5265520d0ec9 = ibm_boto3.client(service_name='s3',
    ibm_api_key_id='Z8QPnz0dBzePynFFDbI1AmpDkAtzXdhM0CKBckGizZ_4',
    ibm_auth_endpoint="https://iam.cloud.ibm.com/oidc/token",
    config=Config(signature_version='oauth'),
    endpoint_url=endpoint_a8264aeefadf496cb3cd5265520d0ec9)

body = client_a8264aeefadf496cb3cd5265520d0ec9.get_object(Bucket='forecastingsalesofstoreusingibmwa-donotdelete-p
# add missing __iter__ method, so pandas accepts body as file-like object
if not hasattr(body, "__iter__"): body.__iter__ = types.MethodType( __iter__, body )

dataset = pd.read_excel(body)
dataset.head()
import pandas as pd
```

```
---------------------------------------------------------------------------
NameError                                 Traceback (most recent call last)
<ipython-input-1-a013c381c306> in <module>
----> 1 body = client_a8264aeefadf496cb3cd5265520d0ec9.get_object(Bucket='forecastingsalesofstoreusingibmwa-donot
delete-pr-qjcdsqui4zsimk',Key='Sales_Forecasting.xlsx')['Body']
      2 # add missing __iter__ method, so pandas accepts body as file-like object
      3 if not hasattr(body, "__iter__"): body.__iter__ = types.MethodType( __iter__, body )
      4
      5 df_data_0 = pd.read_excel(body)

NameError: name 'client_a8264aeefadf496cb3cd5265520d0ec9' is not defined
```

In [4]:

```
body = client_a8264aeefadf496cb3cd5265520d0ec9.get_object(Bucket='forecastingsalesofstoreusingibmwa-donotdelete-p
# add missing __iter__ method, so pandas accepts body as file-like object
if not hasattr(body, "__iter__"): body.__iter__ = types.MethodType( __iter__, body )

dataset = pd.read_csv(body)
dataset.head()
```

```
---------------------------------------------------------------------------
NameError                                 Traceback (most recent call last)
<ipython-input-4-017570cd63b6> in <module>
----> 1 body = client_a8264aeefadf496cb3cd5265520d0ec9.get_object(Bucket='forecastingsalesofstoreusingibmwa-donot
delete-pr-qjcdsqui4zsimk',Key='Sales_Forecasting.csv')['Body']
      2 # add missing __iter__ method, so pandas accepts body as file-like object
      3 if not hasattr(body, "__iter__"): body.__iter__ = types.MethodType( __iter__, body )
      4
      5 dataset = pd.read_csv(body)

NameError: name 'client_a8264aeefadf496cb3cd5265520d0ec9' is not defined
```

In [3]:

```
dataset.head()
```

Out[3]:

	HQ	Country	State_of_outlet	City_of_outlet	Month	Day	Year	Total_Sales
0	Asia	India	NaN	Bombay (Mumbai)	1	1	2005	72.2
1	Asia	India	NaN	Bombay (Mumbai)	1	2	2005	72.7
2	Asia	India	NaN	Bombay (Mumbai)	1	3	2005	74.3
3	Asia	India	NaN	Bombay (Mumbai)	1	4	2005	78.9
4	Asia	India	NaN	Bombay (Mumbai)	1	5	2005	81.5

In [4]:
```
dataset.tail()
```

Out[4]:

	HQ	Country	State_of_outlet	City_of_outlet	Month	Day	Year	Total_Sales
17531	Asia	India	NaN	Delhi	12	27	2016	61.3
17532	Asia	India	NaN	Delhi	12	28	2016	61.7
17533	Asia	India	NaN	Delhi	12	29	2016	59.3
17534	Asia	India	NaN	Delhi	12	30	2016	57.1
17535	Asia	India	NaN	Delhi	12	31	2016	58.3

In [ ]:
```

```