Reading And Merging .Csv Files

```
In [104]: body = client_ebb884ca98d444a5ae59a6874ea685aa.get_object(Bucket='fooddemandforecatsing-donotdelete-pr-cdss9tfwyg4lgb',Key='meal_
          # add missing __iter__ method, so pandas accepts body as file-like object
          if not hasattr(body, "__iter__"): body.__iter__ = types.MethodType( __iter__, body )

          meal_info = pd.read_csv(body)
```

```
In [105]: meal_info.head()
```

Out[105]:

	meal_id	category	cuisine
0	1885	Beverages	Thai
1	1993	Beverages	Thai
2	2539	Beverages	Thai
3	1248	Beverages	Indian
4	2631	Beverages	Indian

```
In [106]: body = client_ebb884ca98d444a5ae59a6874ea685aa.get_object(Bucket='fooddemandforecatsing-donotdelete-pr-cdss9tfwyg4lgb',Key='fulf:
          # add missing __iter__ method, so pandas accepts body as file-like object
          if not hasattr(body, "__iter__"): body.__iter__ = types.MethodType( __iter__, body )

          fulfilment_center_info = pd.read_csv(body)
```

```
In [107]: fulfilment_center_info.head()
```

Out[107]:

	center_id	city_code	region_code	center_type	op_area
0	11	679	56	TYPE_A	3.7
1	13	590	56	TYPE_B	6.7
2	124	590	56	TYPE_C	4.0
3	66	648	34	TYPE_A	4.1
4	94	632	34	TYPE_C	3.6

Merging train.csv and meal_info.csv dataset by using common key id:

We notice that meal_id column in train.csv is similar to meal_id in meal_info.csv dataset. Let us merge these two datasets, train.csv and meal_info.csv using common key meal_id and name the table as trainfinal.

```
In [108]: trainfinal = pd.merge(train, meal_info, on="meal_id", how="outer")
```

Merging trainfinal.csv and fulfilment_center_info.csv dataset by using common key id:

We notice that center_id column in trainfinal.csv is similar to center_id in fulfilment_center_info.csv dataset. Let us merge these two datasets, trainfinal.csv and fulfilment_center_info.csv using common key center_id and store it back in trainfinal.Display the first five rows of trainfinal using head().

```
In [109]: trainfinal = pd.merge(trainfinal,fulfilment_center_info, on="center_id", how="outer")
```