

Importing pandas and the associated spreadsheet of Chipotle data

```
In [ ]: import pandas as pd

url = 'https://raw.githubusercontent.com/justmarkham/DAT8/master/data/chipotle.tsv'
chipo = pd.read_csv(url, sep = '\t')
```

1. Which was the most ordered item?

```
In [ ]: chipo['item_name'].value_counts().rename_axis('item').reset_index(name='counts')[0:]
```

```
Out[ ]:
```

	item	counts
0	Chicken Bowl	726

2. Which was the most ordered item count?

```
In [ ]: chipo['item_name'].value_counts().rename_axis('item').reset_index(name='counts')[0:]
```

```
Out[ ]:
```

	item	counts
0	Chicken Bowl	726

3. What was the most ordered item in the choice_description column?

```
In [ ]: chipo['choice_description'].value_counts().rename_axis('item').reset_index(name='co
```

```
Out[ ]:
```

	item	counts
0	[Diet Coke]	134

4. How many items were ordered in total?

```
In [ ]: sum(chipo['quantity'])
```

```
Out[ ]: 4972
```

5. Turn the item price into a float

```
In [ ]: # type(chipotle['item_price'][0]) // I don't want to take the first element, I want all
# chipotle['item_price'].dtype // dtype('O') object? I'm not sure how this is relevant
chipotle['item_price'].apply(type).unique() # [str]
chipotle['item_price'] = pd.to_numeric(chipotle['item_price'].str.replace("$", ""))
chipotle['item_price'].apply(type).unique() # [float]
```

```
Out [ ]: array([<class 'float'>], dtype=object)
```

6. How much was the revenue for the period in the dataset?

```
In [ ]: f'${(chipotle["item_price"] * chipotle["quantity"]).sum():,.2f}'
```

```
Out [ ]: '$39,237.02'
```

7. How many orders were made in the period?

```
In [ ]: chipotle["order_id"].nunique(dropna=True)
```

```
Out [ ]: 1834
```

8. What is the average revenue amount per order?

```
In [ ]: f'${(chipotle["item_price"] * chipotle["quantity"]).sum()/chipotle["order_id"].nunique():,.2f}'
```

```
Out [ ]: '$21.39'
```

9. How many different items are sold?

```
In [ ]: chipotle["item_name"].nunique(dropna=True)
```

```
Out [ ]: 50
```