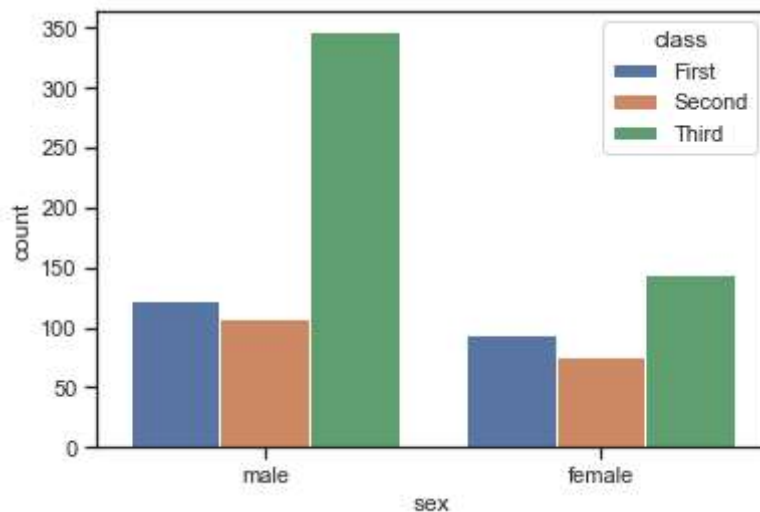


Live Session- Day 3

Code 1 - Data Retrieved from Library

```
In [4]: # Step 1: first step is to import the library like you need to tell Python
# which library you need
import seaborn as sns # Remember this line, it remains same
import matplotlib.pyplot as plt # Remember this line, it remains same
# Set the Theme, here you need aesthetics, different styles likewise ticks
# are present for seaborn library on internet.
sns.set_theme(style="ticks", color_codes=True)
# Load the data, i.e the data you need to see in the graph
# it can be the one already loaded in library like titanic (the titanic incident)
kashti=sns.load_dataset("titanic") # kashti on left of equal is the name of dataset
# you have chosen and on right side ("titanic") is the actual dataset that is needed
# Set the type of plot (graph), variables like x,y and hue, kind like bar
# and in last you should tell what data you need to show
p=sns.countplot(x="sex", hue="class", data=kashti)
plt.show()
```



Code 2- Data Collected and then Programmed in Code

```

In [8]: # Import Your Data

## Step 1: Import Library
import pandas as pd # remains same for pandas

## Step 2 : Import the data
classinfo=pd.read_csv("data_viz.csv") # main script remain same like name x=pd.re

## Step 3: Check
print(classinfo)

# Draw the Graph
import seaborn as sns # remains same
import matplotlib.pyplot as plt # remains same

## Step 1: Set the Theme
sns.set_theme(style="ticks", color_codes=True)

## here it should be noted we have not Loaded data because it is already available
## we just want to address in coming step

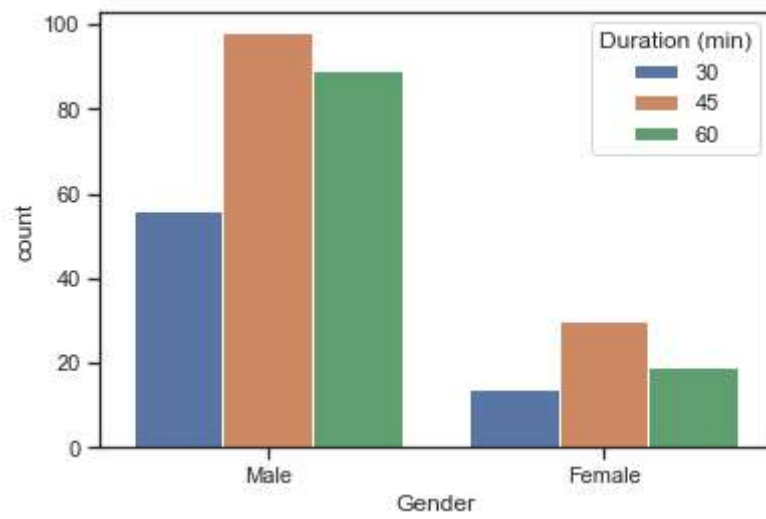
## Step 2 : Type of plot (graph), variables like x,y and hue, kind like bar
p=sns.countplot(x="Gender", hue="Duration (min)", data=classinfo)
plt.show()
# The End

```

	Timestamp	Gender	Age	Location	Time of class (pm) \
0	1/3/2022 19:09:29	Male	16-30	Pakistan	10:30
1	1/3/2022 19:09:33	Male	16-30	Pakistan	10:00
2	1/3/2022 19:09:33	Male	16-30	Pakistan	10:00
3	1/3/2022 19:09:33	Male	30-40	Pakistan	09:30
4	1/3/2022 19:09:34	Male	16-30	East	09:30
..
301	1/3/2022 19:11:51	Male	16-30	Pakistan	09:30
302	1/3/2022 19:11:52	Male	16-30	Pakistan	10:30
303	1/3/2022 19:11:53	Male	16-30	Pakistan	10:00
304	1/3/2022 19:11:54	Female	16-30	Pakistan	10:30
305	1/3/2022 19:11:55	Male	16-30	Pakistan	10:30

	Duration (min)
0	60
1	60
2	30
3	30
4	60
..	...
301	30
302	45
303	60
304	60
305	45

[306 rows x 6 columns]



In []: