Company flight_dataset

In [1]:
```
# prepare library
import psycopg2
import pandas as pd
import pandas.io.sql as psql
import sqlalchemy as sa
import matplotlib as mpl
import matplotlib.pyplot as plt
import numpy as np
import warnings
warnings.filterwarnings('ignore')
```

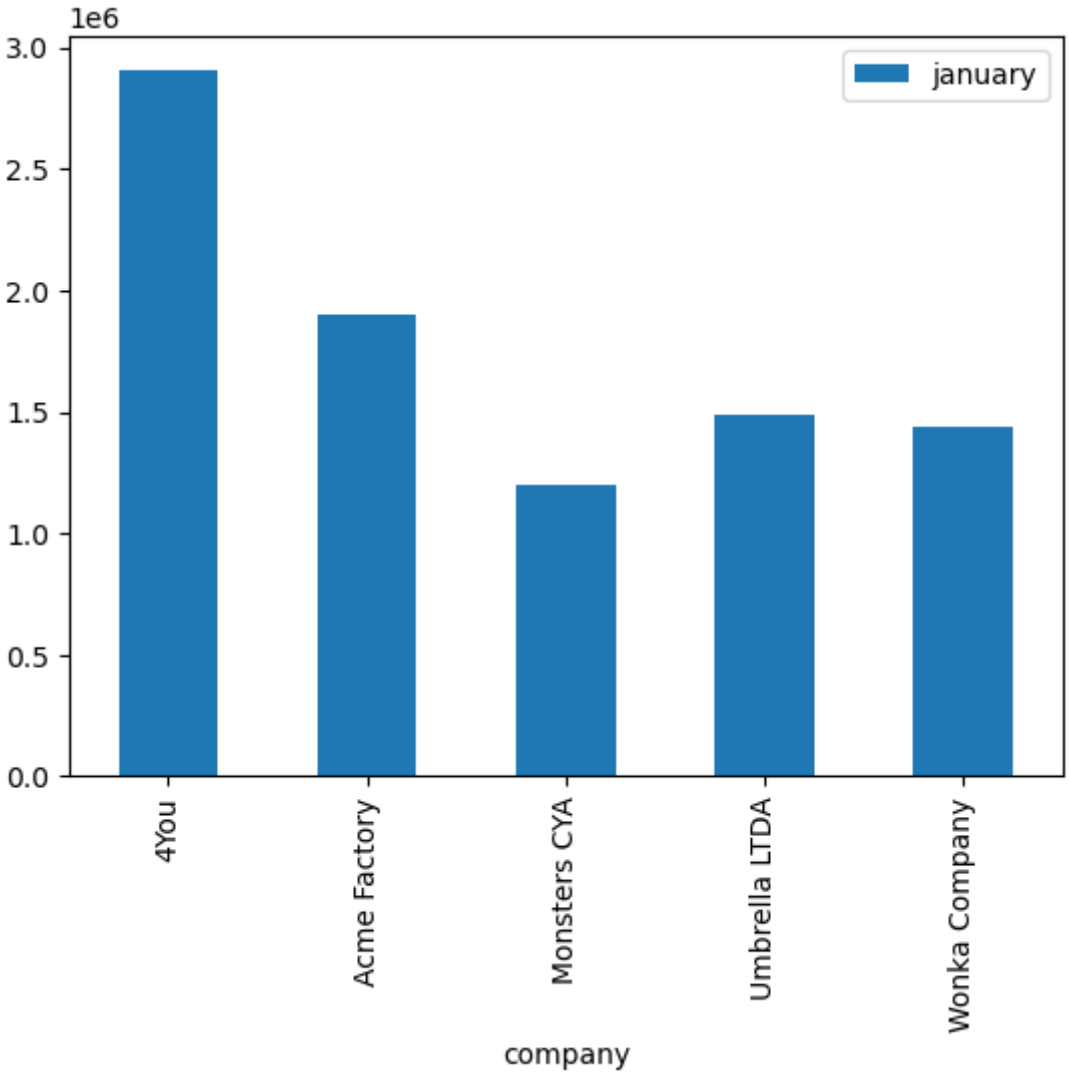
In [2]:
```
# proses data
hostname = 'localhost'
database = 'postgres'
username = 'postgres'
pwd = 'sevilla'
port_id = 5432


try:
    conn = psycopg2.connect(host = hostname,dbname = database,user = usernar

    sql = """select ud.company,
             sum(case when extract(month from date)=1 then price else 0 end)
             sum(case when extract(month from date)=2 then price else 0 end)
             sum(case when extract(month from date)=3 then price else 0 end)
             sum(case when extract(month from date)=4 then price else 0 end)
             sum(case when extract(month from date)=5 then price else 0 end)
             sum(case when extract(month from date)=6 then price else 0 end)
             sum(case when extract(month from date)=7 then price else 0 end)
             sum(case when extract(month from date)=8 then price else 0 end)
             sum(case when extract(month from date)=9 then price else 0 end)
             sum(case when extract(month from date)=10 then price else 0 end
             sum(case when extract(month from date)=11 then price else 0 end
             sum(case when extract(month from date)=12 then price else 0 end
             from flight_dataset fd
             join user_dataset ud
             on fd.user_id  = ud.user_id
             where extract(year from date) = 2020
             group by ud.company"""

    df = pd.read_sql(sql, conn, index_col=None, coerce_float=True, params=N

    sql1 = """select ud.company ,
                 sum(case when extract(month from date)<7 then price else 0
                 sum(case when extract(month from date)>6 then price else 0
                 from flight_dataset fd
                 join user_dataset ud
                 on fd.user_id  = ud.user_id
                 where extract(year from date) = 2020
            group by ud.company;"""

    df1 = pd.read_sql(sql1, conn, index_col=None, coerce_float=True, params


    conn.close()
    print("conecction succes and proses done")
```

```
except Exception as error:
    print(error)
```

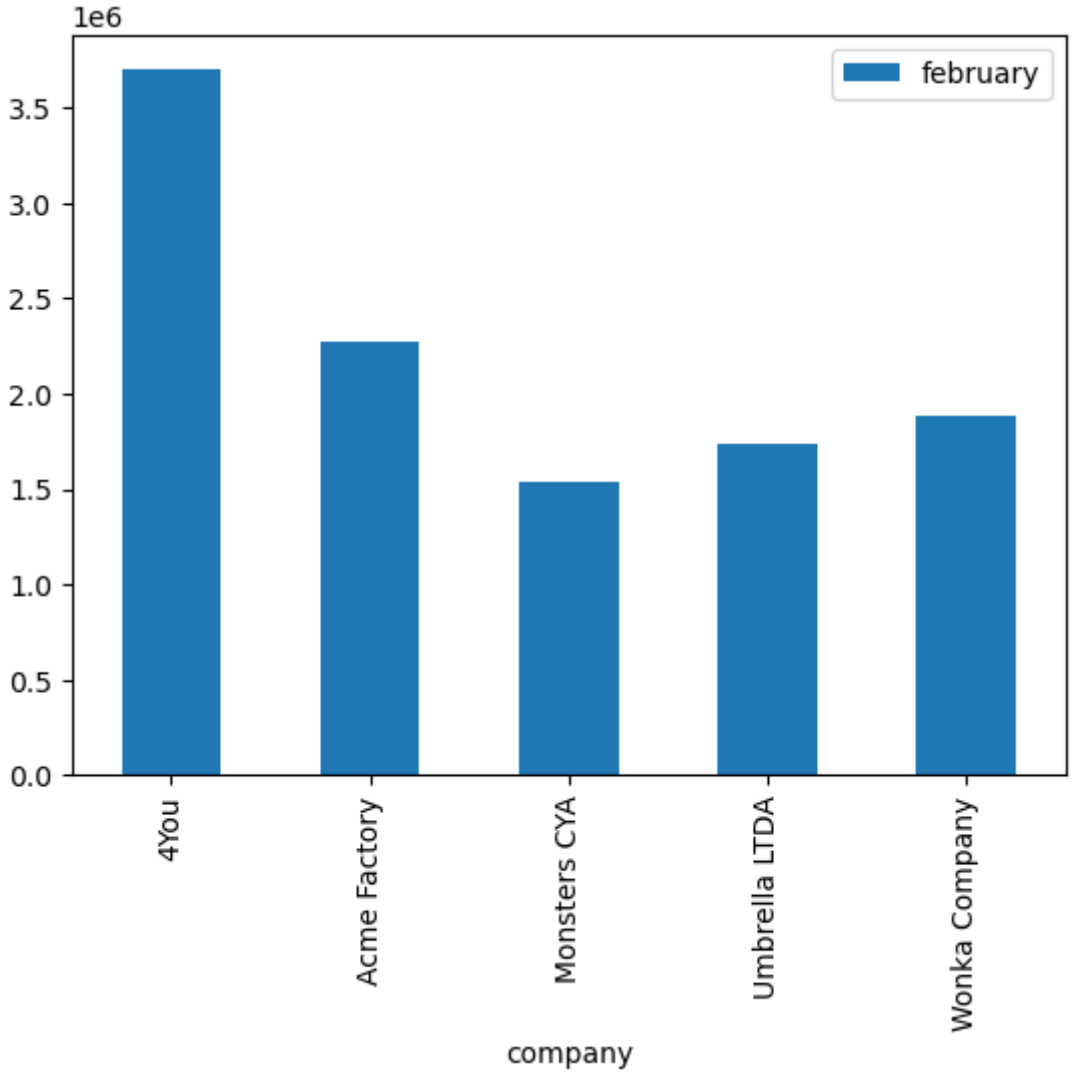
```
conecction succes and proses done
```

df

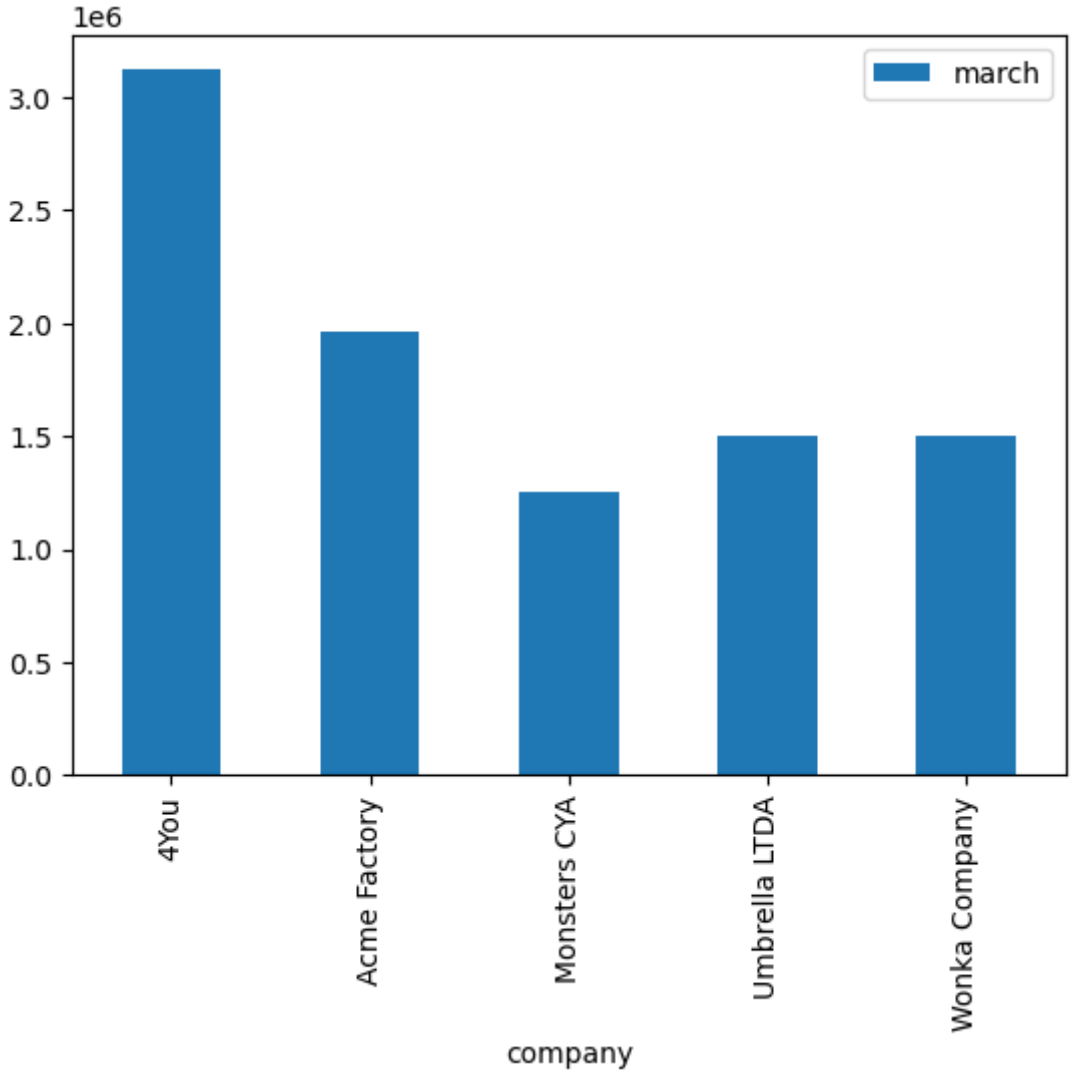
In [3]:
```
dfg = pd.DataFrame(df, columns = ['company','january'])
dfg.plot(x='company', y='january', kind='bar')
plt.show()
```



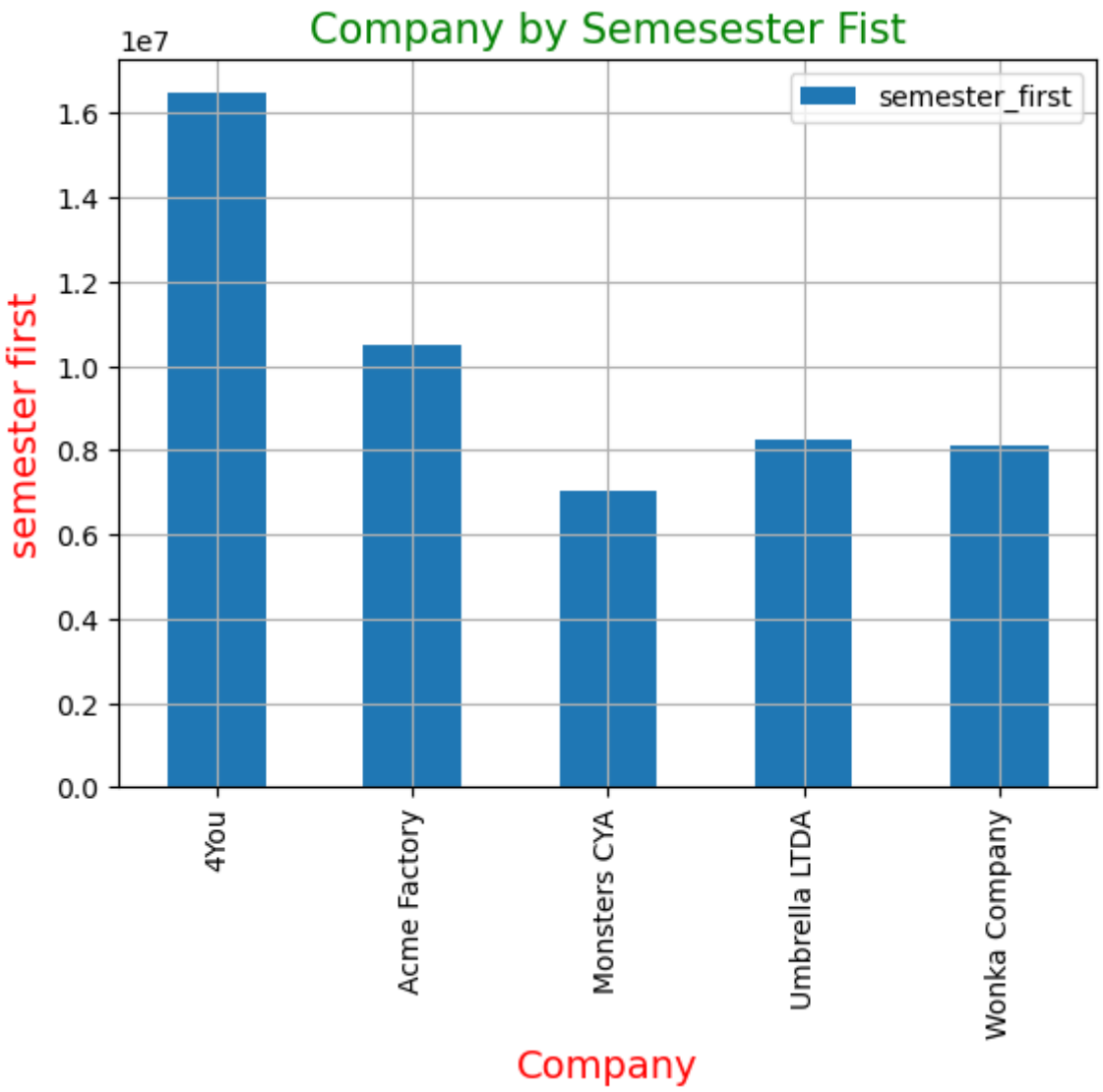
In [4]:
```
dfg = pd.DataFrame(df, columns = ['company','february'])
dfg.plot(x='company', y='february', kind='bar')
plt.show()
```



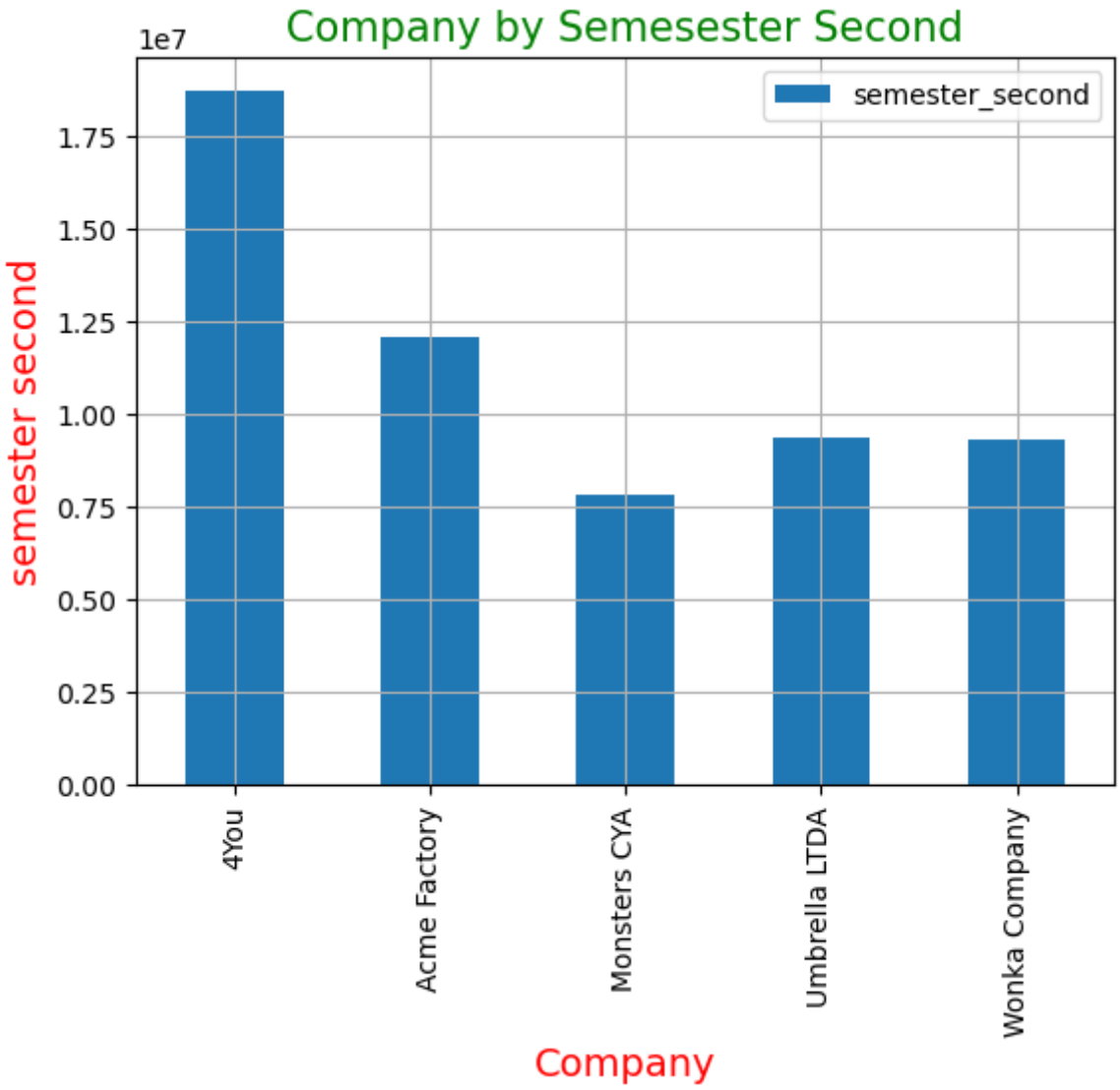
In [5]:
```
dfg = pd.DataFrame(df, columns = ['company','march'])
dfg.plot(x='company', y='march', kind='bar')
plt.show()
```



In [6]:
```
dfg = pd.DataFrame(df1, columns = ['company','semester_first'])
dfg.plot(x='company', y='semester_first', kind='bar')
plt.title("Company by Semesester Fist", fontsize=15, color='green')
plt.grid(True)
plt.xlabel('Company', fontsize=14, color='red')
plt.ylabel('semester first', fontsize=14, color='red')
plt.show()
```



In [7]:
```
dfg = pd.DataFrame(df1, columns = ['company','semester_second'])
dfg.plot(x='company', y='semester_second', kind='bar')
plt.title("Company by Semesester Second", fontsize=15, color='green')
plt.grid(True)
plt.xlabel('Company', fontsize=14, color='red')
plt.ylabel('semester second', fontsize=14, color='red')
plt.show()
```


Company by Semesester Second
1e7
semester_second
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
semester second
4You
Acme Factory
Monsters CYA
Umbrella LTDA
Wonka Company
Company

In [ ]: