In [ ]:

In [1]:
```python
import pandas as pd
import seaborn as sns
import matplotlib.pyplot as plt
%matplotlib inline
import numpy as np
```

In [2]:
```python
ahs94=pd.read_csv('C:/Users/HP/Downloads./AHS94ALUMNI.csv')
```

In [3]:
```python
ahs94.head()
```

Out[3]:

	SURNAME	NAMES	GENDER	LOCATION	STATE	ID NUMBER	JAN	FEB	MAR	API
0	ABANIKANDA	HASSAN	MALE	NaN	NaN	NaN	NaN	NaN	NaN	Nal
1	ABOLADE	OLUSHOLA	MALE	NaN	NaN	NaN	PAID	PAID	PAID	PAII
2	AFOLAYAN	KENNY	MALE	ISHERI OLOFIN	LAGOS	AHS-17	PAID	PAID	PAID	PAII
3	AGBANOMA	FAVOUR	FEMALE	YENAGOA	BAYELSA	AHS-04	PAID	PAID	PAID	PAII
4	AGUANA	NELSON	MALE	KIRIKIRI	LAGOS	AHS-29	NaN	NaN	NaN	Nal

THIS CODE BELOW SHOWS THAT WE ARE 52 CLASSMATES IN THE REGISTERD GROUP

In [15]:
```python
print('NO OF ROWS',ahs94.shape[0])
```

```
NO OF ROWS 52
```

## THIS CODE INDICATES THAT WE HAVE 27 MALE AND 25 FEMALE AT THE REGISTERD GROUP

In [5]:
```python
ahs94['GENDER'].value_counts()
```

Out[5]:
```
MALE      27
FEMALE    25
Name: GENDER, dtype: int64
```

THAT IS THE VISUAL PICTURE BELOW SHOWING HOW MANY MALE AND FEMALE

In [19]:
```python
plt.figure(figsize=(3,3))
ahs94['GENDER'].value_counts().plot.bar()
plt.title('MALE AND FEMALE AHS94 REGISTERD GROUP')
plt.ylabel('NUMBER OF CLASSMATES')
plt.xlabel('GENDER')
plt.show()
```
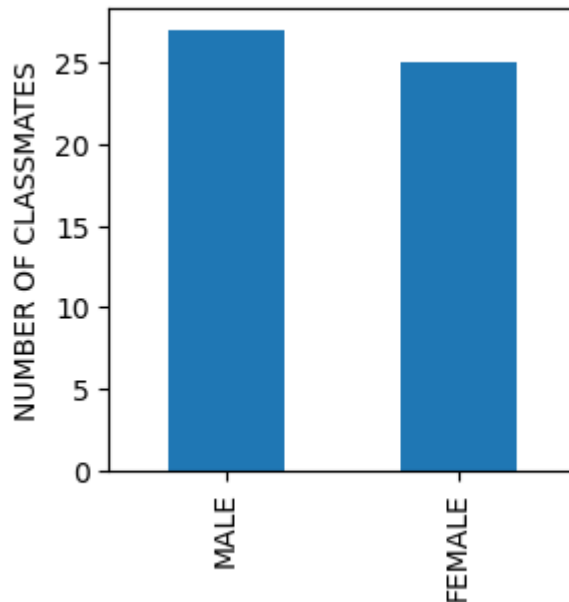

THIS CODE BELOW SHOWS THE BREAKDOWN OF HOW THE PAYMENTS WERE DONE AS AT TODAY 9/8/23

In [7]:
```python
ahs94['TOTAL'].value_counts()
```

Out[7]:
```
0     9
7     9
12    9
6     7
5     6
3     4
10    2
1     2
2     2
9     1
8     1
Name: TOTAL, dtype: int64
```

In [8]:
```python
plt.figure(figsize=(4,4))
ahs94['TOTAL'].value_counts().plot.bar()
plt.title('AHS94 DUES PAYMENT AS AT 9-AUG-2023 ')
plt.ylabel('NUMBER OF CLASSMATES')
plt.xlabel('AMOUNT PAID')
plt.show()
```


AHS94 DUES PAYMENT AS AT 9-AUG-2023
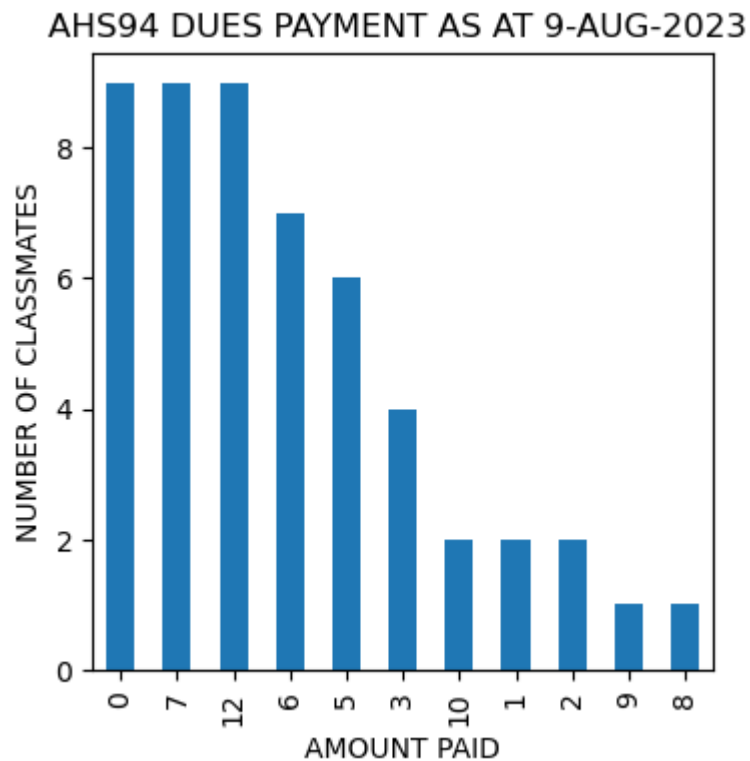
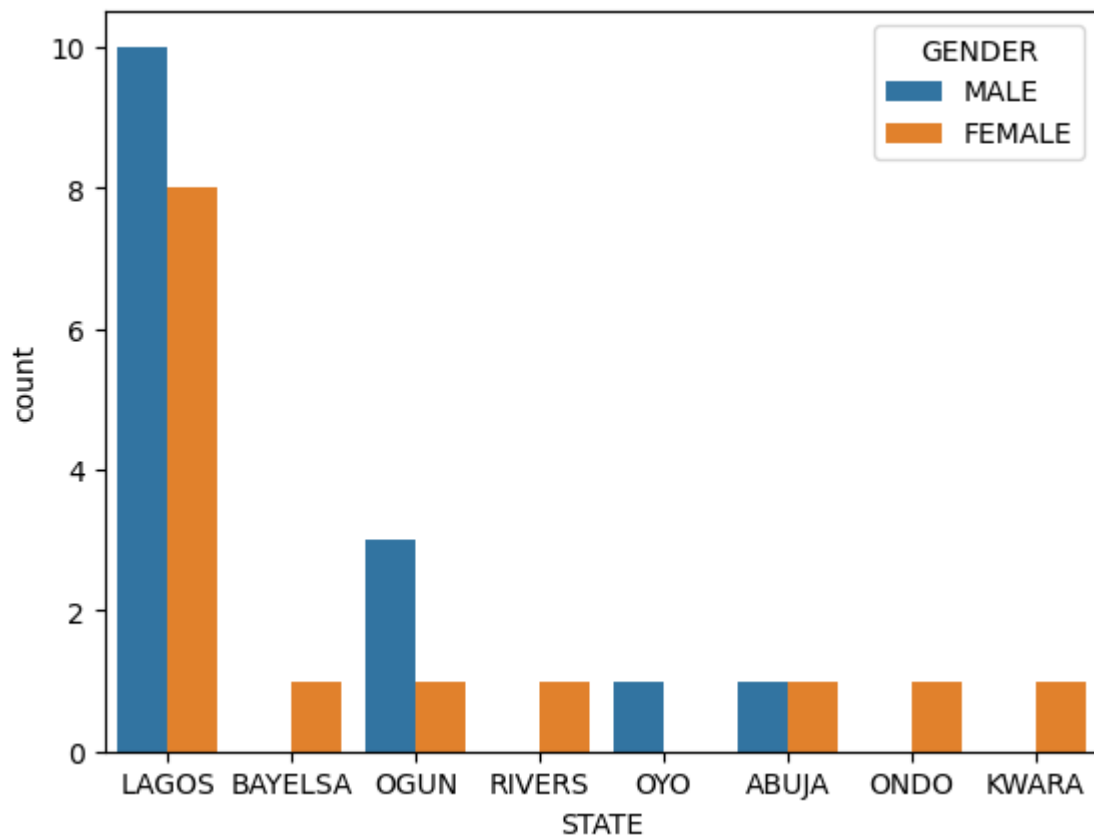## THIS CODE BELOW SHOWS HOW WE ARE DIVIDED INTO DIFFERENT STATES

In [18]:
```python
ahs94['STATE'].value_counts().plot.bar()
plt.title('AHS94 DUES PAYMENT AS AT 9-AUG-2023 ')
plt.ylabel('NUMBER OF CLASSMATES')
plt.xlabel('AMOUNT PAID')
plt.show()
```
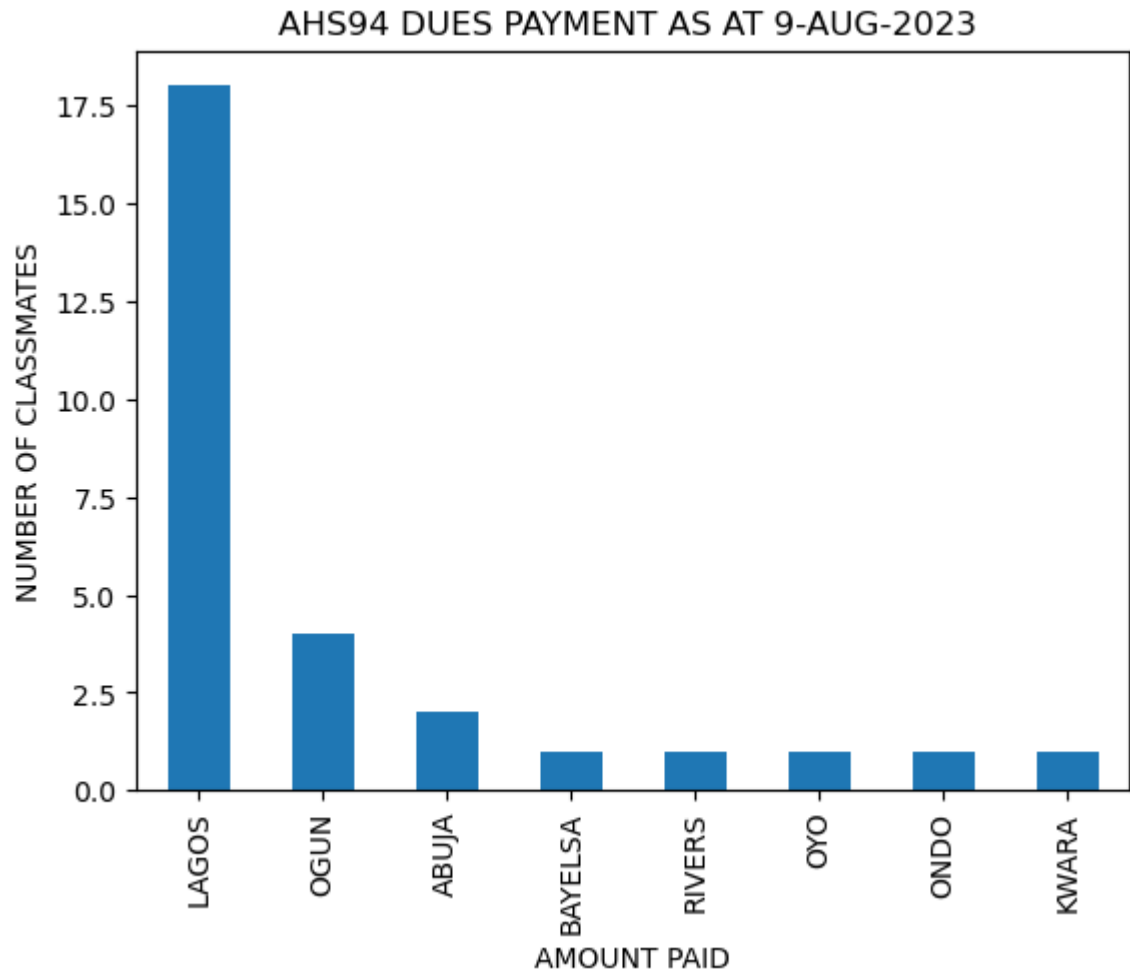
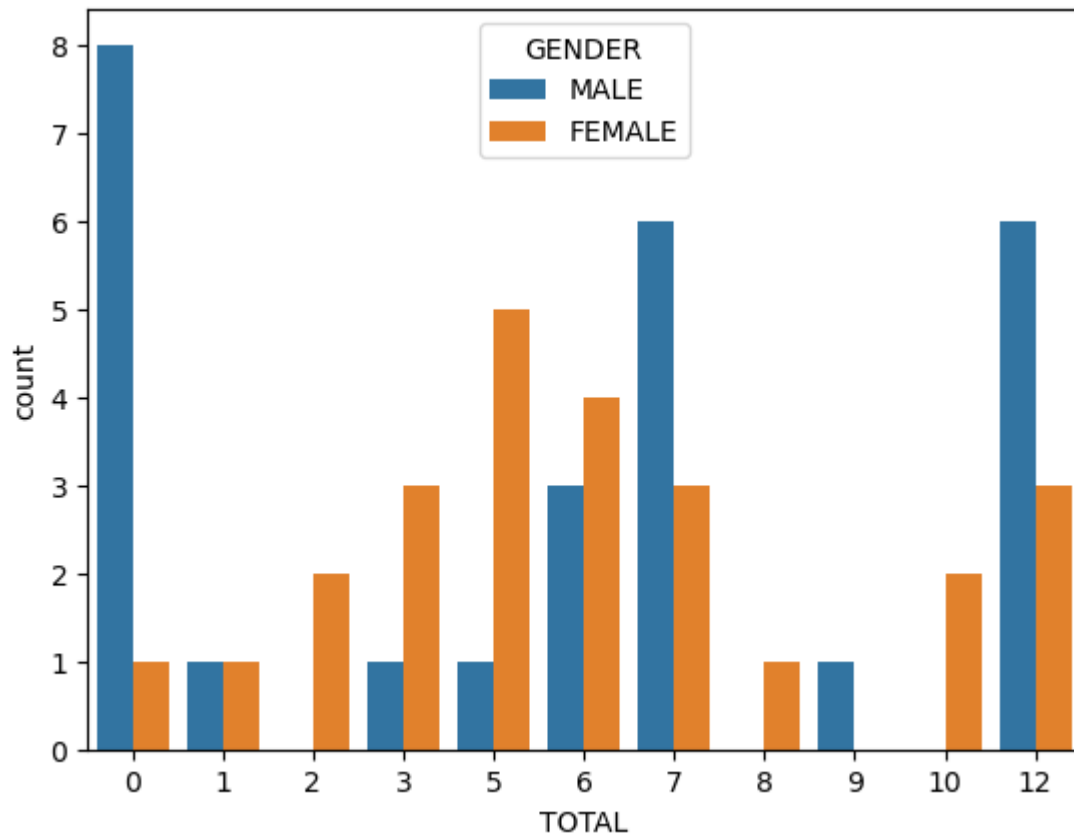## THIS CODE BELOW SHOWS HOW MANY MALE TO FEMALE WE HAVE IN EACH STATE

```
In [10]: sns.countplot(x='STATE',hue='GENDER',data=ahs94)
```

Out[10]: <AxesSubplot:xlabel='STATE', ylabel='count'>

In [11]: `sns.countplot(x='TOTAL',hue='GENDER',data=ahs94)`

Out[11]: `<AxesSubplot:xlabel='TOTAL', ylabel='count'>`

In [13]:
```
#TOTAL SUM EXPECTED = 612 NAIRA
#TOTAL SUM GENERATED = 298
RATIO =612/298
```

In [14]: `RATIO`

Out[14]: `2.053691275167785`

FOR EVERY 2 PERSONS WHO HAS PAID ONE PERSION HAVE NOT PAID AS THE RATIO SHOWS 2:1

In [ ]: