In [22]:
```
"""
        library file
"""

import pandas as pd
import matplotlib.pyplot as plt

dataset = (
    "https://raw.githubusercontent.com/fivethirtyeight/data/master/drug-use-by-age/drug-
)


def load_dataset():
    df = pd.read_csv(dataset)
    return df

def grab_mean(df, col):
    return df[col].mean()

def grab_median(df,col):
    return df[col].median()

# def grab STD
def grab_std(df,col):
    return df[col].std()

# def grab max
def grab_max(df,col):
    return df[col].max()

def create_histogram(df , col):
    df[col].plot.hist(bins=10, edgecolor ='black')
    plt.title(col)
    plt.show() # makes plots

df1 = load_dataset()
df1.head()
```

Out[22]:

	age	n	alcohol_use	alcohol_frequency	marijuana_use	marijuana_frequency	cocaine_use	c
0	12	2798	3.9	3.0	1.1	4.0	0.1	
1	13	2757	8.5	6.0	3.4	15.0	0.1	
2	14	2792	18.1	5.0	8.7	24.0	0.1	
3	15	2956	29.2	6.0	14.5	25.0	0.5	
4	16	3058	40.1	10.0	22.5	30.0	1.0	

5 rows × 28 columns

In [16]:
```
mean_alc = grab_mean(df1,"alcohol_use")
print(mean_alc)
```

```
55.42941176470588
```

In [15]:
```
median_alc = grab_median(df1,"alcohol_use")
print(median_alc)
```

```
64.6
```

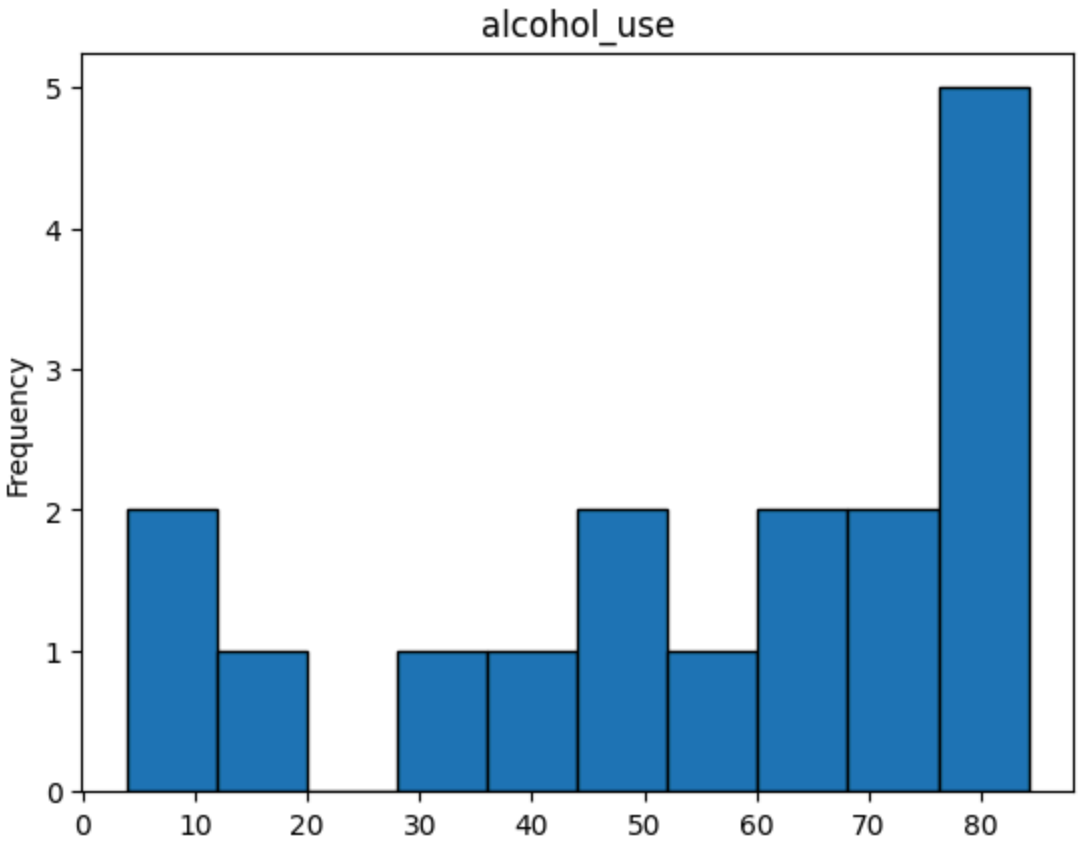
In [14]:
```
std_alc = grab_std(df1,"alcohol_use")
print(std_alc)
```

```
26.878866342953394
```

In [17]:
```
max_alc = grab_max(df1,"alcohol_use")
print(max_alc)
```

```
84.2
```

In [23]:
```
create_histogram(df1, "alcohol_use")
```



In [24]:
```
len(df1)
```

Out[24]:
```
17
```

In [ ]:
```

```