Lab Logbook Requirement:

1. *Determine a number (n) equal to the last digit of your SID.*
2. *Group by "relationship" and "hours-per-week".*
3. *Reduce all "hours-per-week" column values in the original DataFrame by the value 'n'.*
4. *Group by "relationship" and reduced "hours-per-week".*
5. *Add the code and result to your Lab Logbook.*

```
#Group by before reducing hours
Group_by_relationship = data.groupby(["relationship", "hours-per-week"])
Group_by_relationship.size()
```

```
relationship   hours-per-week
Husband        13               1
               40               4
               45               1
               80               1
Not-in-family  16               1
               40               2
               50               2
Own-child      30               1
Wife           40               2
dtype: int64
```

```
sid = 2368529%100

def func(x):
    return x - sid

data['hours-per-week'] = data['hours-per-week'].apply(func)
```

```
#Group by after reducing hours
Group_by_relationship = data.groupby(["relationship", "hours-per-week"])
Group_by_relationship.size()
```

```
relationship   hours-per-week
Husband        -16              1
                11              4
                16              1
                51              1
Not-in-family  -13              1
                11              2
                21              2
Own-child      1                1
Wife           11               2
dtype: int64
```