In [1]:
```
import openpyxl
import pandas as pd

workbook = openpyxl.Workbook()
sheet = workbook.active

data = [
    ['name','age','domain','salary','exp'],
    ['raju',24,'DA',20000,2],
    ['shyam',25,'java',25000,3],
    ['ram',27,'testing',30000,5],
    ['gowtham',31,'python',40000,8],
    ['sandeep',35,'c',45000,13]
]

for row in data:
    sheet.append(row)

workbook.save('data.xlsx')
```

In [2]:
```
data
```

Out[2]:
```
[['name', 'age', 'domain', 'salary', 'exp'],
 ['raju', 24, 'DA', 20000, 2],
 ['shyam', 25, 'java', 25000, 3],
 ['ram', 27, 'testing', 30000, 5],
 ['gowtham', 31, 'python', 40000, 8],
 ['sandeep', 35, 'c', 45000, 13]]
```

In [3]:
```
import os
os.getcwd()
```

Out[3]:
```
'C:\\Users\\Admin'
```

In [4]:
```
emp=pd.read_excel(r'C:\\Users\\Admin\\data.xlsx')
emp
```

Out[4]:

	name	age	domain	salary	exp
0	raju	24	DA	20000	2
1	shyam	25	java	25000	3
2	ram	27	testing	30000	5
3	gowtham	31	python	40000	8
4	sandeep	35	c	45000	13

In [5]:
```
emp.shape
```

Out[5]:
```
(5, 5)
```

In [6]:
```
len(emp)
```

Out[6]:
```
5
```

In [7]:
```
len(emp.columns)
```

Out[7]:
```
5
```

In [8]:
```
emp['salary']
```

Out[8]:
```
0    20000
1    25000
2    30000
3    40000
4    45000
Name: salary, dtype: int64
```

In [9]:
```
emp['exp']
```

Out[9]:
```
0     2
1     3
2     5
3     8
4    13
Name: exp, dtype: int64
```

In [10]:
```
emp[['salary','exp']]
```

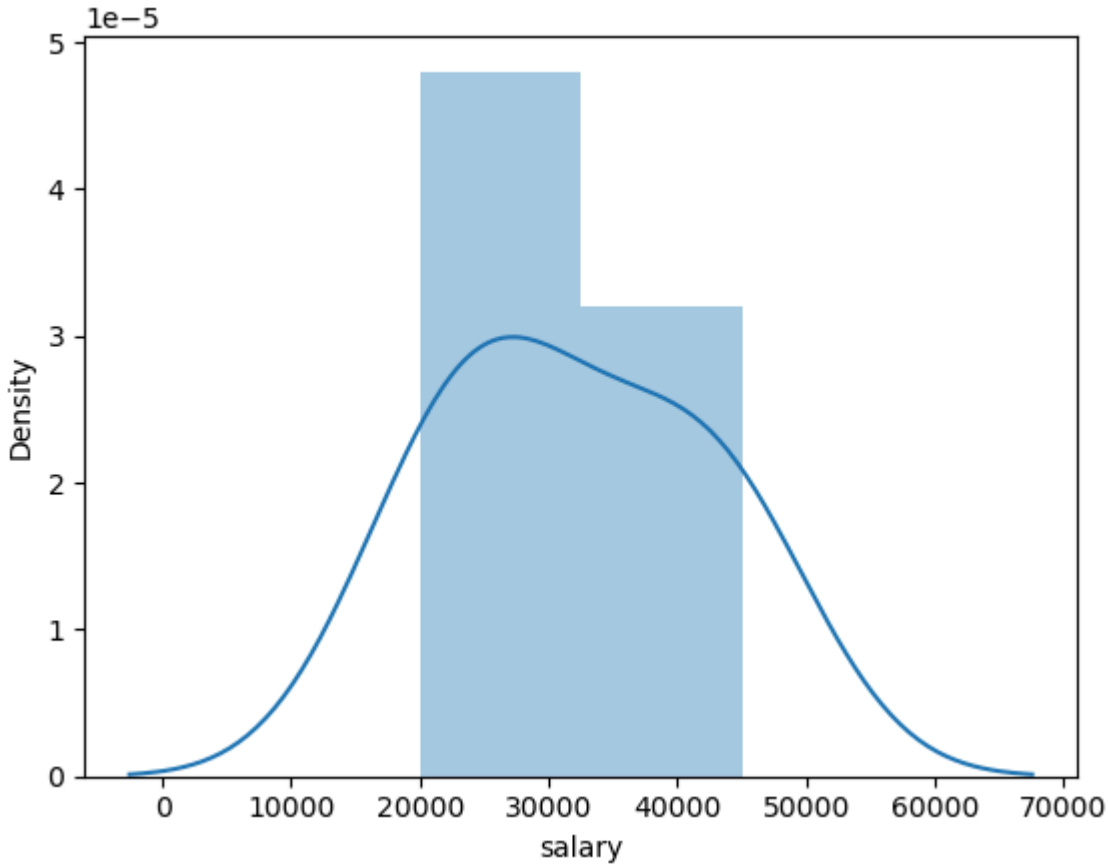
Out[10]:

	salary	exp
0	20000	2
1	25000	3
2	30000	5
3	40000	8
4	45000	13

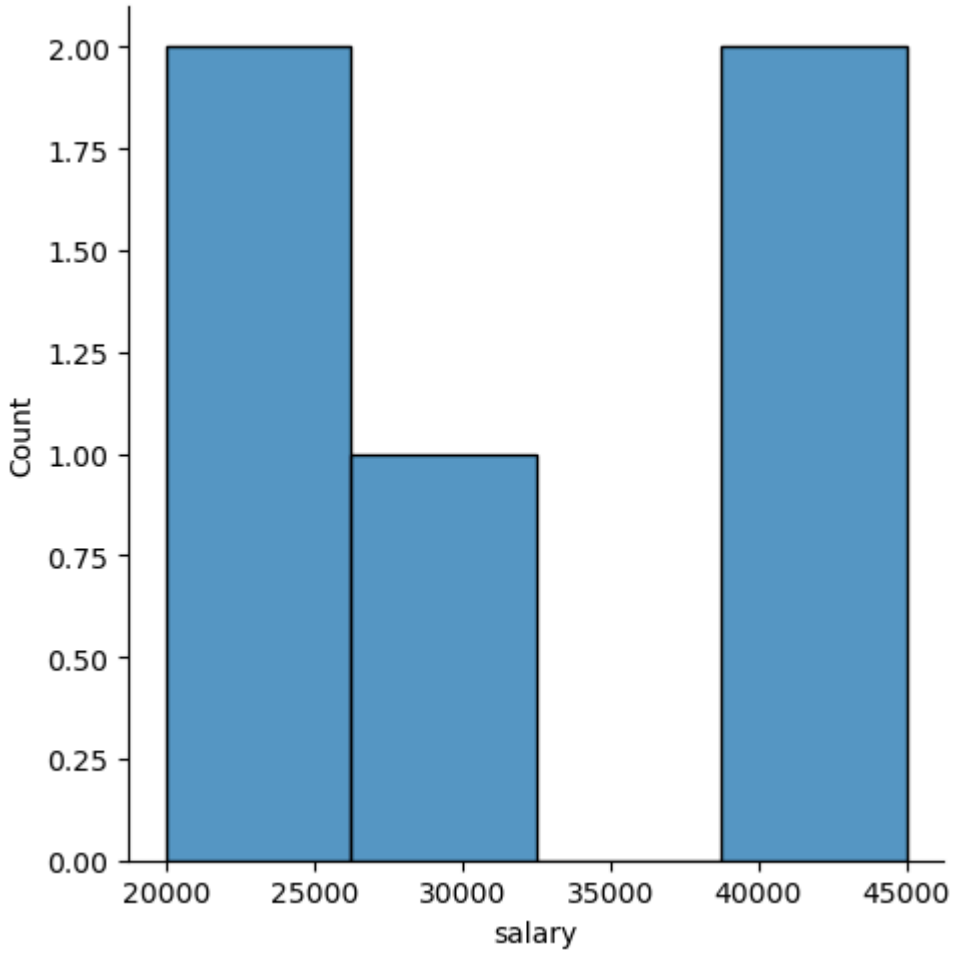
In [11]:
```
import matplotlib as plt
import seaborn as sns
import numpy as np
```

In [12]:
```
vis1=sns.distplot(emp['salary'])
```

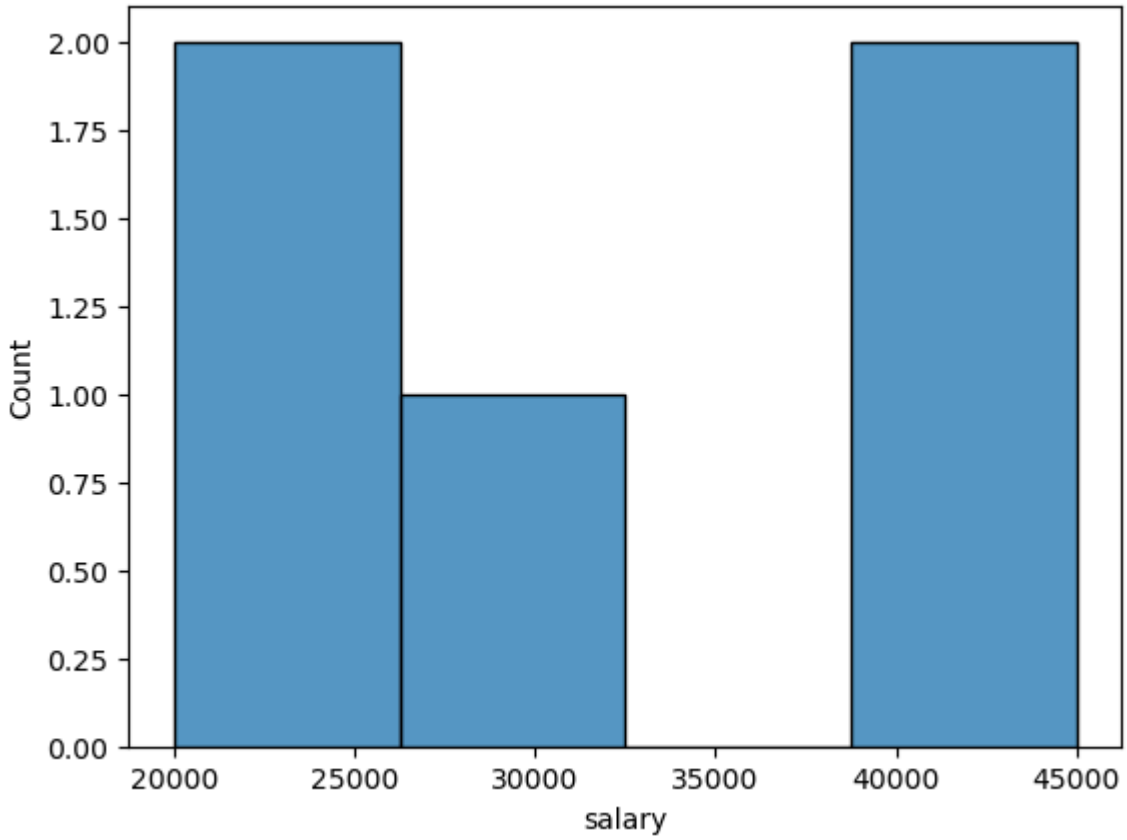
```
C:\Users\Admin\AppData\Local\Temp\ipykernel_12884\159030154.py:1: UserWarning:

`distplot` is a deprecated function and will be removed in seaborn v0.14.0.

Please adapt your code to use either `displot` (a figure-level function with
similar flexibility) or `histplot` (an axes-level function for histograms).

For a guide to updating your code to use the new functions, please see
https://gist.github.com/mwaskom/de44147ed2974457ad6372750bbe5751

  vis1=sns.distplot(emp['salary'])
```



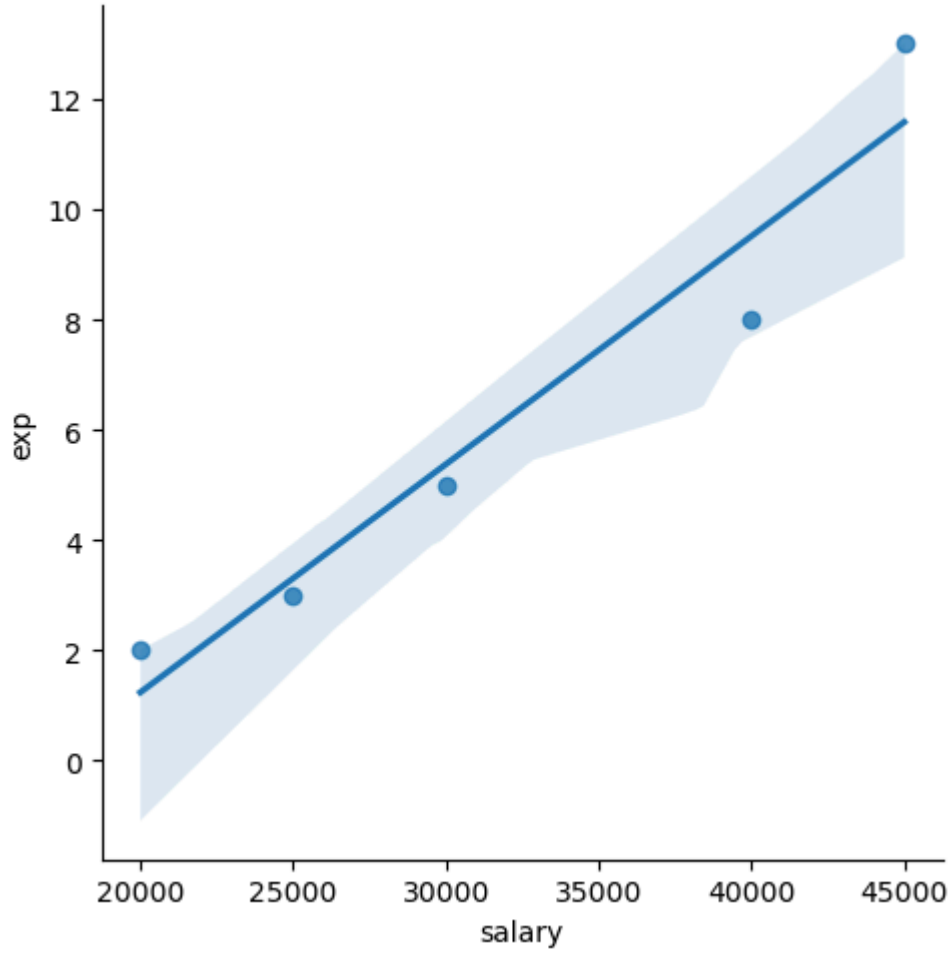
In [13]:
```
vis2=sns.displot(emp['salary'])
```



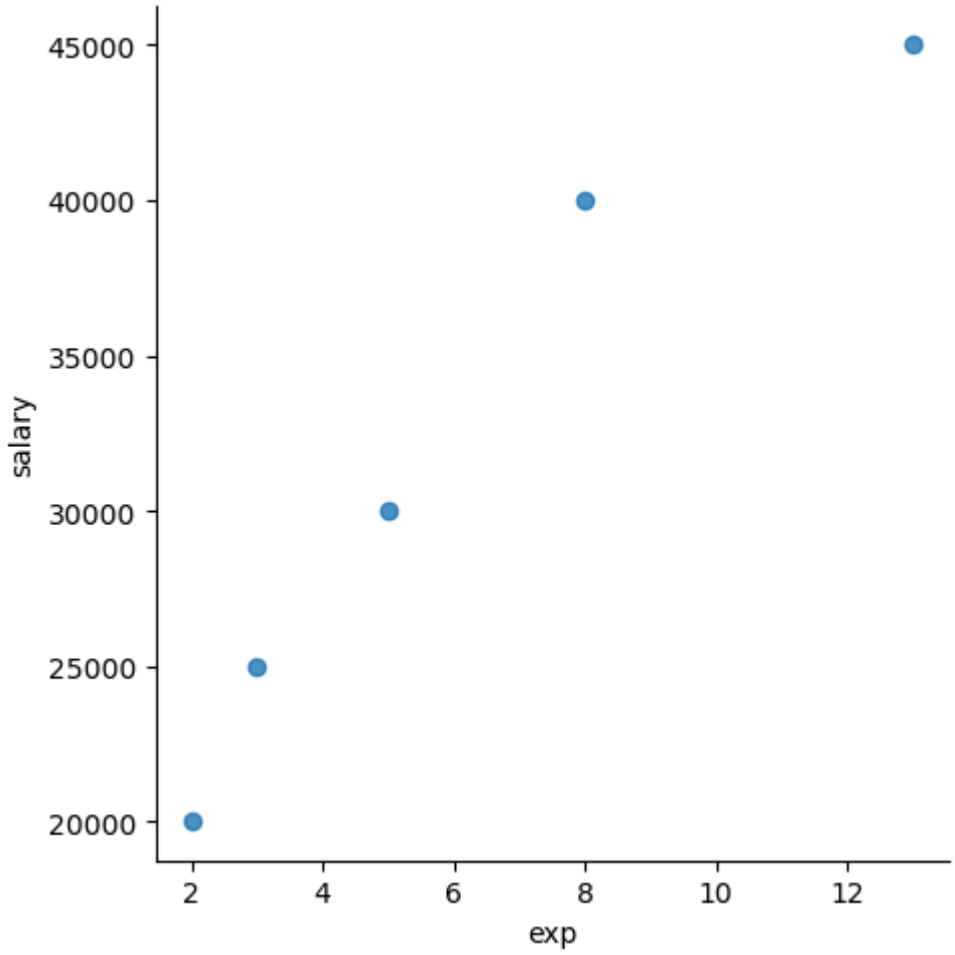
In [14]:
```
vis3=sns.histplot(emp['salary'])
```



In [15]:
```
vis4=sns.lmplot(data=emp,x='salary',y='exp')
```



In [16]:
```
vis4=sns.lmplot(data=emp,x='exp',y='salary',fit_reg=False)
```



In [ ]:
```

```